# WORLD RADIO TV HANDBOOK

**1968 · 22nd Edition**

**The complete directory and basic reference guide of international radio and television**

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Including short wave, medium wave & TV stations with frequencies, programs, world maps, and other data. Complete index on page 10

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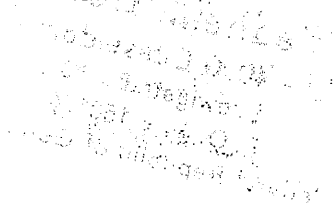

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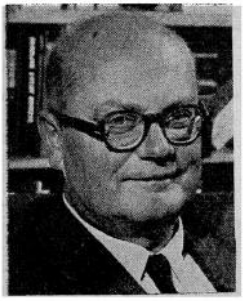


Sir Hugh Green

In the three years since I last contributed a preface to your Handbook the BBC has made great progress on several fronts. When I last wrote it had just opened its second television channel. BBC-2 is now an established feature of the television scene in Britain, providing programmes which are planned to contrast strongly with those on BBC-1 and offering a wide range of choice to those who have access to both channels. Its transmitter network has advanced rapidly across the country, bringing BBC-2 to more than two thirds of the population of the United Kingdom by the end of 1967. Meanwhile BBC-2 has become the vehicle for the first colour service in Europe. Its colour programmes opened last July, with the exciting spectacle of the Wimbledon Lawn Tennis Championships, and there were regular colour transmissions throughout the warming up or launching period that followed. One historic live programme was the colour presentation of the Golf World Series from Akron, Ohio. It reached colour viewers in the United Kingdom by way of 50,000 miles of communications channels, including a satellite relay, and the quality of the reception augured well for live colour relays from the Olympic Games in Mexico City. The relay had to pass from one colour system to another and from one field frequency to another. This last process was only possible because the BBC's engineers had developed unique equipment for the purpose — the field store standards converter. And so we hope that colour services throughout Europe will be able to show the Olympic Games next year for the first time live in colour.

These are truly momentous years for all who work in international communications. Only a few months ago the BBC had the privilege of co-ordinating the remarkable live global hook-up called "Our World". It conducts a flourishing export business in television programmes, dubbed and undubbed. It maintains External Services which not only broadcast in 40 languages but have transmissions re-broadcast in more than one hundred different countries. The World Service, broadcasting in English round the clock seven days a week, not long ago received more than 2,000 entries from 108 countries for one short story competition. The new transmitters on Ascension Island were of immediate benefit to the services broadcasting to Africa and South America.

At home the BBC's radio networks have not been standing still. A fresh approach to the presentation of news and current affairs programmes has given a new stimulus to the medium, and the third radio network — known now as Radio 3 — has provided a daily service of classical and modern serious music to supplement the musical output of its Third programme (a thriving 21-year-old) and the Home Service (Radio 4). At the other end of the spectrum of musical taste the Light Programme has divided itself into two parts, of which one is a particularly lively and up-to-the-minute service of popular music — Radio 1. It is offered to those who enjoyed the illicit delights of offshore broadcasting during the brief heyday of the pirates. Meanwhile the BBC is taking part in a new experiment in community radio. Eight stations are involved, each with a station manager and personnel from the BBC, each with a Local Broadcasting Council, representative of local interests. Local radio, with all its possibilities of service to single closely-knit communities, has long been desired by the BBC. At one time we hoped to be allowed to introduce local radio entirely under our own management, but in the current experiment, into which the BBC has entered without reserve and with enthusiasm, the responsibility is shared with local bodies. I hope that I have said enough in this preface to show that the BBC continues to be inventive and supple, as a living and growing organism ought to be. It approaches the fiftieth birthday of the birth of public service broadcasting in Britain (in 1972) with every confidence that it will be good for another fifty years at least of active pioneering.

I hope that the World Radio Television Handbook will be with us throughout our journey.

*Hugh Greene, Director-General, B.B.C., London.*

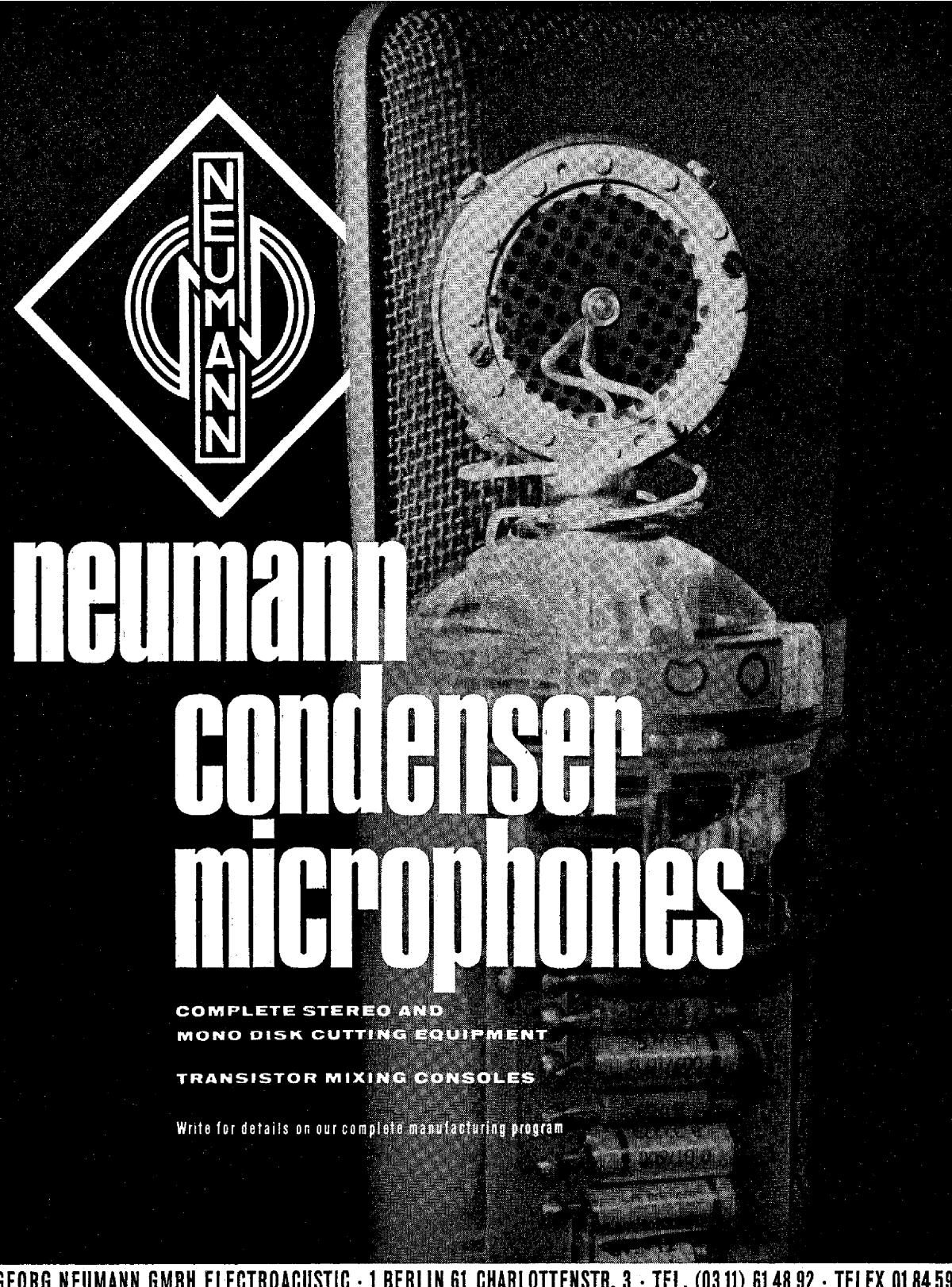
C. R. Delafield

It is an honour for me to contribute a preface to the World Radio and TV Handbook on behalf of the CBC International Service. Here at our headquarters in Montreal, we have long since come to regard WRTH as the definitive reference book in the field of international broadcasting.

Radio-Canada has just completed the most exciting and the most rewarding period in its twenty-two year history. During 1967, the attention of the world was focused on Canada as this country celebrated the hundredth anniversary of Confederation. The CBC International Service was the only broadcasting organization that was giving continuous, day by day, coverage of Expo 67 and our Centennial festivities to a world wide audience. Reporters from the various language sections travelled from one end of Canada to the other to describe centennial events such as the Pan-American Games and the Voyageur Canoe Race and reported the many visits of foreign statesmen and dignitaries. The spectacular achievement that was Expo '67 was covered fully together with the concentration of artistic and cultural events which took place in Montreal. We hope that we were able to convey to our audience a sense of the enthusiasm and pride that Canadians felt during their Centennial Year.

The CBC International Service was officially inaugurated in 1945 with the stated aims of projecting Canada to listeners in other countries, of stimulating

*(continued page 4)*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(continued from page 2)

trade between Canada and other countries and of providing Canadian soldiers then abroad with news and entertainment from home. Radio-Canada now broadcasts daily in eleven languages and operates growing television and transcription services. The Service's three 50-kilowatt shortwave transmitters will soon be replaced by five 250 kilowatt transmitters which should greatly improve our reception in many parts of the world.

As Canada enters her second century, the CBC International Service is even more enthusiastic about its task of making our country better known and better understood in other lands.

*C. R. DELAFIELD*
*Director International Service*

Ahmed Taher

It is a pleasure to contribute a preface on behalf of the Union of National Radio and Television Organisations of Africa in this new edition of WRTH. I have been using this handbook since I have been in the field of broadcasting, which dates back to almost two decades.

As the World Radio TV Handbook comes to age by this years edition, I would like to congratulate the Admizistration and editors in charge for the splendid work they have been doing. This handbook which bears no resemblance to any other publication is unique in the field of broadcasting and many a time, I have relied upon its authentic information in my work as Secretary General of URTNA, and as a Director General in the Egyptian Broadcasting.

Like any other Union, URTNA feels that contact between broadcasters is of great importance in helping the peoples to achieve peace and stability. When our Union came into existence and that was in 1961-1962, the peoples of Africa welcomed its creation for they wanted to have a Union of their own where they can work together towards the betterment of their continent conditions after a very long period of forced separation and mutual history and aspirations. This common history and living conditions made it imperative for the broadcasters to become the flag bearers of African Unity for they are the people responsible for enhansing their public opinion to:

a) support in every field the interests of those African organisations operating Radio and/or Television Services to establish with other international organisations.
b) promote and co-ordinate the study of all questions relating to broadcasting and to secure the exchange of information on all matters of general interest to those radio and/or television services.
c) take all possible steps designed to assist the development of African Radio and Television in all its forms.
d) seek within the framework of African co-operation, the solution to any differences that may arise among members and to work for co-operation among the Radio and Television Organisations and to promote African culture in accordance with African Unity Charter.
e) use its good offices to ensure respect by all members for the provisions of international and inter-african agreements relating to all aspects of Radio and Television.

These are aims of our Union and Member Organisations.

*AHMED TAHER*
*Secretary General, URTNA*

Dr. J. Sollari Allegro

It is a matter of general consent that the main purpose of broadcasting is to bring people together but there is perhaps no country that is more aware of the force of this statement than Portugal, for her people are scattered over five continents many thousands of miles apart.

That the Government realized this is quite obvious from the wording used in the original Law that established our organization in 1928. The main purpose was defined in the preamble as being to bring the Voice of Portugal to all corners of the Portuguese World, thus establishing a precedent in the simultaneous foundation of a medium and a short wave service. Some idea of the problems that this involved can be gleaned from the fact that, only ten years later, Marshal Carmona, the President of the Republic, visited Angola and Mozambique in Africa and people in Continental Portugal enjoyed direct reports on each stage of his journey.

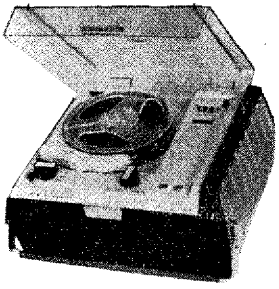
A great deal has happened since then but the Emissora Nacional de Radiodifusão — to give our organisation its official title — has always remained essentially the same: the main broadcasting body in Portuguese territory financed almost entirely by funds obtained from wireless licences.

The international service which adopted the name of Radio Portugal to obviate the problems involved with translations of the official title was founded in 1954 and from the outset enjoyed the benefit of the experience gained by the original short wave service. In the last ten years it has constantly grown in stature to the point where it now broadcasts twenty four hours a day in six different languages. This growth has of course led to a proportional rise in the number of listeners and, difficult though it is, to give a definite figure, there is good reason to believe that the present audience amounts to some nine or ten million people, living mainly in Europe and North America.

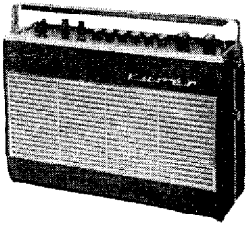
Such progress justified a complete reorganization and two years ago, a new law was passed converting the international service into a Department covering: Foreign language broadcasts; Portuguese language broadcasts to foreign countries; and a large scale Transcription and Exchange Service. Nevertheless the objectives remained the same. (continued page 12)

# FROM TV TO TAPE

## NORWEGIAN STYLE AND PRECISION ENGINEERING THROUGHOUT — THE CHOICE OF THE CONNOISSEUR.

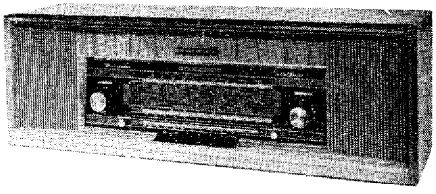


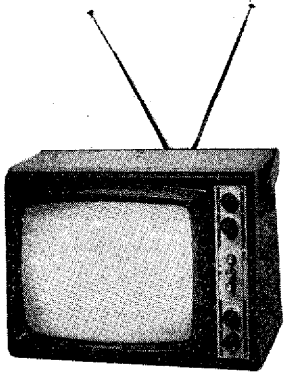
**MULTICORDER — one spool taperecorder**
This portable transistorized taperecorder has entirely new constructions in elegant design. 1 knob for immediate choice of 4 programmes. Single reel, 12 hours playing time. Supreme HiFi quality of tone. Battery operated and outlets for mains adaptor. For use everywhere, also in cars.



**KURER AUTOMATIC**
This elegant portable AM/FM model has 4 wavebands. Highest sensitivity and selectivity are the features. Stable reception on FM with AFC. Outlets for mains adaptor, extra speakers and earphones. Smart cabinets in teak, palisander, black/nickel and pastel colours.

**QUINTETT STEREO SECTION**
This handsomely designed table model has 5 wavebands incl. FM. Two STEREO amplifiers give excellent quality of tone. Tone selector key board. Outlets for pickup, extra speaker etc. Outlets for MPX.





**KURER PLANAR VHF/UHF 11" portable, fully transistorized TV**
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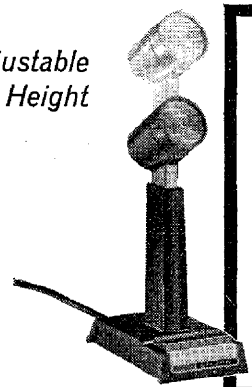

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SWEDEN: Swedish Broadcasting Corp.
SWITZERLAND: Swiss Broadcasting Corp.
TURKEY: Radio Ankara.
SOUTH AFRICA: South African Broadcasting Corp.
USA: The Voice of America - Radio New York Worldwide (WNYW).
USSR: The State Committee for Broadcasting and Television.
VATICAN STATE: Vatican Radio.

*The Editor of the World Radio Television Handbook seeks information from all stations and organisations engaged in broadcasting and/or television and interested in international broadcasting and/or television and publishes the information as communicated to him by the stations or organisations. The Editor cannot be held responsible for the correctness of this information or for not publishing schedules and other particulars of stations which do not supply this information, or for changes in the times and wavelengths of programmes made after the current edition has gone to press.*

# WORLD RADIO TV HANDBOOK

## RADIO TELEVISION 1968

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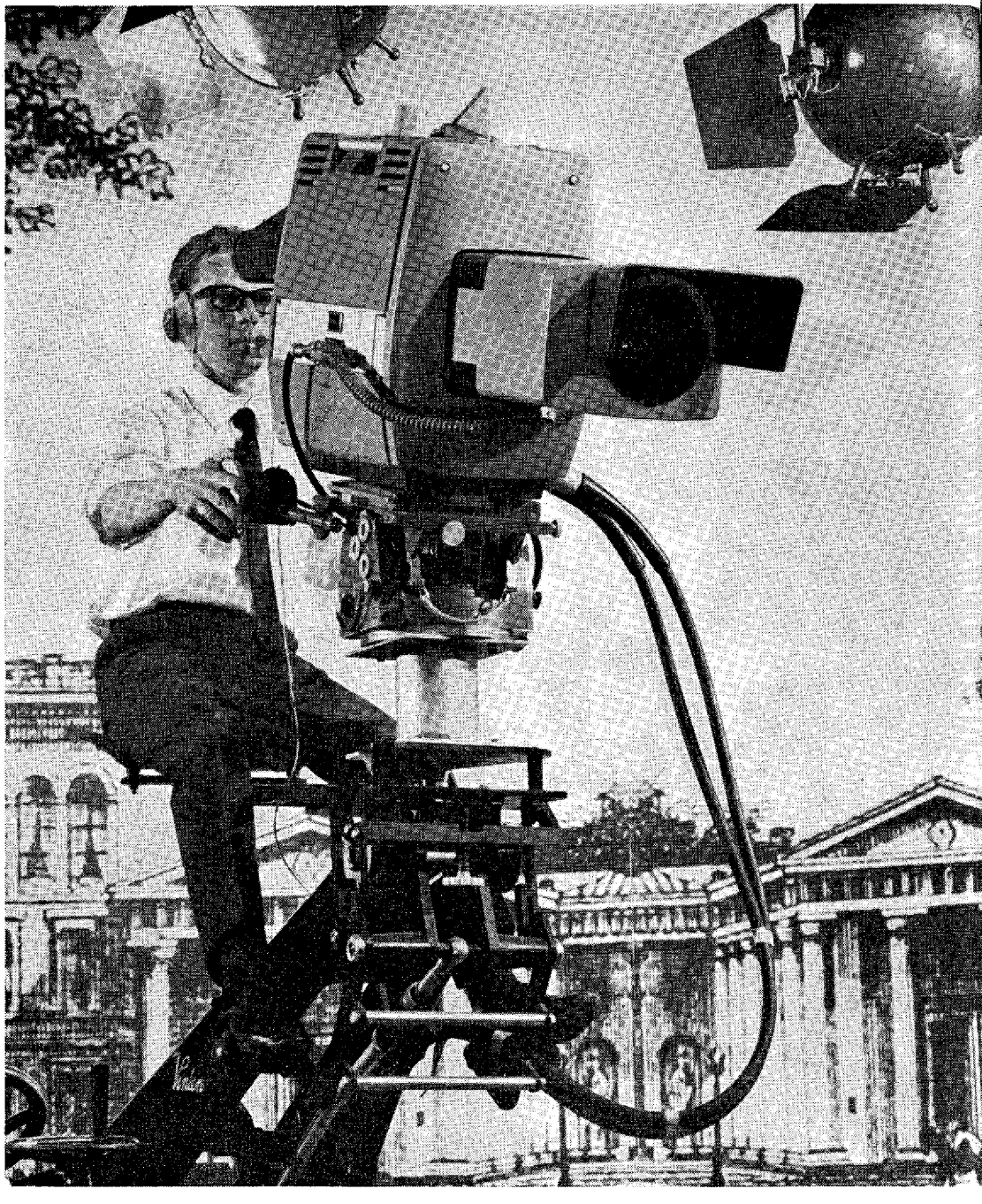

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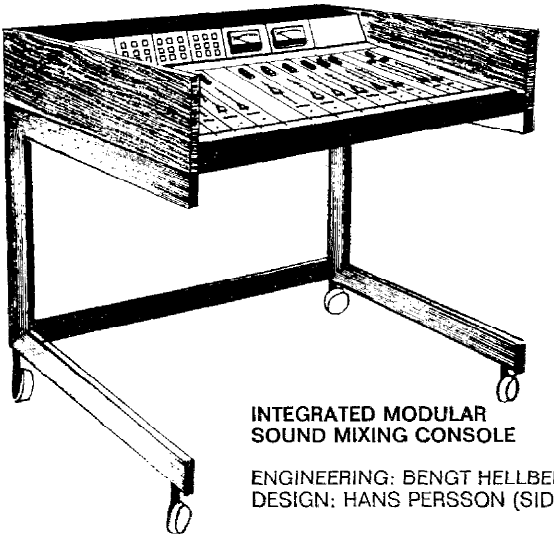
SPR



INTEGRATED MODULAR
SOUND MIXING CONSOLE

ENGINEERING: BENGT HELLBERG
DESIGN: HANS PERSSON (SID)

# AUDIO EQUIPMENT FOR STUDIO BLOCKS, THEATERS AND INFORMATION CENTRES

The mixing units designed for professional mixing and recording have been developed in close cooperation with European and American theater and recording studios. They are fully transistorized. Their modular design provides electronic equipment directly focused on individual requirements. The amplifier data comply with accepted standards for studio operation and the complete amplifier units are delivered in either mono or stereo version.

- Input stages with alternate connections for microphone/line level, bass cut off for microphone, phase switch, bass and treble correction filter and mixing selectors with no loss to the mixing bars.
- The main operating faders possess output selectors on the mixing bar for parallel connection of several outputs with equal or different signals.
- Reverberation tapping with separate level adjustment.
- Pre-listening button and tapping.
- Separate tapping after the input fader independent of mixing selector.
- Faders (DANNER/PREH etc.) or knobs delivered to customer's specification.
- Switchboards based on analoguous modular system for remote control of any further equipment.

**BASIC TECHNICAL DATA**

| | |
|---|---|
| ● Frequency range | 20 c/s—20 kc/s ±2 dB |
| ● Dynamic features | 125 dB referred to input DIN curve A |
| ● Noise level (unweight): | |
| Open input faders with 10 dB adjustment range | —65 dB |
| Open main fader with 10 dB adjustment range | >80 dB |
| ● Harmonic distorsion | <0,3 % at 1 kc/s +6 dBM |
| ● Maximum output level | +16 dBM |
| ● Bass cut off filter for microphone | —6 dB, —12 dB, —18 dB at 100 c/s |
| ● Frequency control, | Boost 10 dB at 100 c/s and 10 kc/s<br>Cut 10 dB at 100 c/s and 10 kc/s |
| ● Input impedance: | |
| Microphone | 200 Ω |
| Line | 600 Ω or 10 kΩ |

Changes in specification and design may be made without previous notification.

**STUDIOPRODUKTION AB**

FACK LIDINGÖ 7 • STOCKHOLM SWEDEN • PHONE: 08/775 01 60 • TELEGRAM: SCANSTUDIO

Many of our colleagues had occasion to gain personal experience of the services we provide during the Papal Visit to the 50th Anniversary Commemorations in Fatima, last year. The majority of obtained extremely valuable data on our organisation is from this Handbook.

In our own international service, the policy has been to implement the belief that understanding presupposes knowledge but that such knowledge can only be obtained from listening to a true picture of all the different aspects of Portuguese life and culture which is devoid of propaganda. More than one expert has said that the fate of stations suspected to dispensing propaganda is sealed before they open the microphone. The fact that Radio Portugal has been successful in this aim is shown from the large amount of correspondence which flows in to our headquarters. Listeners are always writing in to say how much they have learned from our programs and how mistaken many of them had been in their first impressions of our country. What more could an international service ask in return for their efforts?

A practical demonstration of such interest is to be seen in the number of listeners who followed the Portuguese by Radio and subsequently sat for an exam. We are now working on the preparation of a course in Portuguese Literature in an attempt to meet the constant demand. Nevertheless, the most extraordinary development has been seen in the DX Club which is quite unique in that it is essentially based on a more intimate knowledge of the Portuguese world through the award of Bronze, Silver, and Gold Certificates against specific numbers of QSL-cards obtained from the seventy different stations that now broadcast throughout Portuguese territory in five different continents. This is perhaps the best justification for our being asked to write this preface, since many thousands of listeners have been brought into contact with our station through the auspices of the WORLD RADIO TV HANDBOOK — a veritable bible to all short wave listeners.

May we therefore take this opportunity of paying our tribute to those who have worked so hard over the past twenty two years to build up this remarkable encyclopaedia of listening knowledge.

*Dr. J. Sollari Allegro, Chairman of the Board*

K. P. Shungloo

The main object of AIR's external broadcasting is to present the Indian point of view on current, domestic and international affairs and to acquaint listeners in other countries with the various facets of Indian life and thought. When we comment on international affairs we do it with a frank recognition of different views. We give our listeners the facts upon which they can form. their own opinions And we seek co-operation and try to strengthen ties of friendship through our programmes.

The first AIR broadcast for listeners outside India was made on October 1, 1939. We now broadcast daily in twenty-one languages for a duration of forty-four hours and thirty five minutes. The languages include Arabic, Afghan-Persian, Burmese, Chinese, French, Indonesian, Nepali, Pushtu, Persian, Sinhala, Swahili and Tibetan. We propose to add Russian and Malay to the schedule of languages

The General Overseas Service in English is on the air for nine hours and forty-five minutes every day. It is broadcast in four transmissions for different parts of the world.

There are daily services in Urdu and Bengali for listeners in the sub-continent. Other Indian languages used by us are Hindi, Tamil, Gujarati and Konkani for Indians or persons of Indian origin living abroad.

Each language service is planned to offer listeners news, comment, talks on topics of general and cultural interest and documentary programmes and Indian music.

Recordings are supplied to about eighty organisations abroad on request or as part of programme exchange requirements.

For those of us engaged in external broadcasting the WRTH is a very useful publication. I wish it success.

*K. P. Shungloo, Director of External Services, All India Radio, New Delhi.*

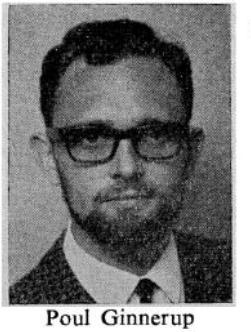
Daniel Söderman

As a representative for the most eager users of the World Radio TV Handbook — the DXers — it gives me a great pleasure to contribute with a short preface for the 1968 edition of this outstanding handbook.

There are many DX-clubs in the world, all with somewhat divergent interests and aims. Finlands DX-Club, with its recently established international subsidiary Finlands DX-Club International—The Friendly DX-Club—has always worked for a better co-operation between the DXers and the broadcasting stations. This can only be accomplished by a systematic training of the DXers, with special emphasis laid on the responsibility each DXer must feel by furnishing stations with detailed and trustworthy reception reports. In this work we have had invaluable help from the World Radio TV Handbook, the world's only complete guide for DX-enthusiasts.

We rest assured that the World Radio TV Handbook will continue to flourish, thus giving the DXer a sound basis for his hobby.

*Daniel Söderman, President, Finland DX Club*



Poul Ginnerup

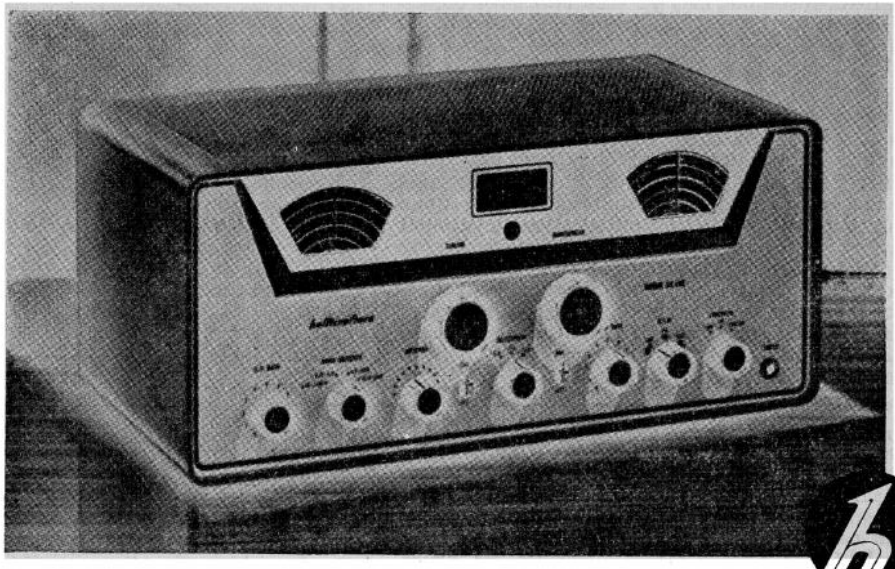
A major blow was struck in the cause of international radio as a living hobby to countless persons throughout the world, when the WORLD RADIO TV HANDBOOK first appeared years ago — and during its more than two decades of existence the WRTH has amazingly been able to extend, improve, correct and bring completely up-to-date its valuable contents of information. *(to page 14)*

# *Once you own a Hallicrafters...*

**You gain a deeply satisfying new perspective on world events as you hear them reported in detail direct from Moscow. . .** **Washington . . . Saigon . . . New Delhi—and with as many different viewpoints. You listen with renewed hope as the Voice of America, Radio Free Europe and radio amateurs** **(perhaps a neighbor) melt the Iron Curtain with words of warm friendship and cold fact. Mysteriously, your children begin to pronounce the difficult foreign names like natives, and attack their language study** **with new vigor. Frequently you pause in your dial-roaming to eavesdrop on military and civilian aviation** **or marine communications** **and, on rare occasions, a suspense-filled emergency. There is no more effective way to stay informed. For this is a Hallicrafters you own. A unique and incomparable new Information Center for a thoughtful man's home.**

**hallicrafters**

*where the new ideas in communications are born*



*SX-122 General Coverage Receiver.* You can own one of these remarkable Hallicrafters precision communications instruments. No other type of short wave receiver can bring you such satisfactory, understandable world-wide reception. Complete coverage from .54 to 34 MHz. Dual conversion. Calibrated bandspread dial. "S" Meter. Professional-type electrical bandspread for razor-sharp tuning of close-together stations. Outlet for earphones.

**hallicrafters**

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# HOW TO USE THE WORLD RADIO TELEVISION HANDBOOK

The World Radio TV Handbook is designed to help the international radio listener obtain maximum enjoyment from his receiver.

The first section of the Handbook contains instructive articles relating to broadcasting, information regarding broadcasting and television organizations, and popular technical articles and tables of practical value to listeners.

The main section of the book (pages 94-264) contains detailed information, by country, of the **Radio Stations** and broadcasting organizations of every country in the world, including names and addresses of broadcasting companies, names and titles of leading officials, lists of broadcasting stations in each country, including frequencies, wavelengths, transmitter power, call signs (if used), and station names. Program information is also listed, including times, frequencies, and beam areas of the broadcasts in each language. The announced **location** of the st., rel. st's exc., is usually the studio and administrative location, since the tr's are often located in outlying areas. - **Power** is stated in kilowatt (kW) or Watt (W). When two powers are listed, the figures represent the lower and upper limits of power, where a station uses more than one tr. on the frequency at different times (s.w.) or varies the power of the tr. for day and night operation (m.w).

A **listing by frequency and wavelength** of the shortwave stations of the world, and long and medium wave stations of Europe, North Africa, Near East is presented in the last part of the Handbook, for use in facilitating the identification of stations.

**Abbreviations:** See page 70 for explanation.

**Short-wave stations** may be used either for domestic broadcasting to listeners in the same country or for international broadcasting directed to listeners in other countries.

**International short-wave stations** usually employ directional antennas to beam their programs to particular areas on frequencies calculated for best reception. Most international broadcasts are scheduled for the evening hours in the intended reception area, but some are in the morning or at other times during the day. The reception areas give their names to the services: European Service (or to Europe), Far Eastern Service (or to Far East), North American Service (or to North America) etc. Languages employed are those of the listeners in the area to which the broadcast is directed, also the language of the transmitting country for reception by persons understanding that language.

Best reception is usually obtained from transmissions directed to your area. However, there is a considerable amount of overlapping between many service areas and, therefore, it is often possible to obtain good reception of programs beamed to adjacent areas, and sometimes, even of programs directed to distant parts of the world. Shortwave propagation conditions change continually because of the influence of daylight and darkness, seasonal effects and solar activity. Consequently, good reception requires frequency change from time to time.

(See articles: "Radio Broadcast Reception Conditions", "Solar Activity", on the respective pages).

**Domestic short-wave stations** are usually of lower power than international stations, and generally use non-directional or wide beam antennas, in order to reach local or national audiences. These stations make fewer seasonal frequency changes, and many operate on the same channel for both day and night operation. The stations are utilized to reach areas of a country where coverage by medium and long wave stations is not adequate.

The geographical Co-ordinates of the transmitter sites are given in degrees and minutes.

**Long and Medium wave stations** are used mainly for transmitting programs to listeners in the country in which the stations are located. These stations vary from powerful transmitters capable of being heard throughout the county to low power stations intended only for a small area in the vicinity of the transmitter.

**FM (Frequency Modulation) Stations** operate on very high frequencies (VHF); ranges of 88-108 MHz in the Americas and 87-100 MHz in other areas, and provide interference-free reception over a short radius. Most FM stations relay programs of a medium or long wave station.

**Frequency and Wavelength** — Frequencies are measured in kilohertz per second (kHz) and megahertz per second (MHz). One hertz (named after the German physicist Heinrich Hertz) signifies "one cycle per second" and accordingly, one kilohertz (kHz) equals one kilocycle per second (kc/s). Wavelengths are measured in meters.

A formula between frequency and wavelength is as follows:

$$\text{Wavelength (m)} = \frac{300000}{\text{Frequency (kHz)}}$$

$$\text{Frequency (kHz)} = \frac{300000}{\text{Wavelength (m)}}$$

(to page 16)

---

*(continued from page 12)*

Having been a DX-er since 1953 I know from experience that without the ready aid and guidance found in the WRTH, most listeners would **never** have had the opportunity to focalize their attention on the various subjects within international affairs, cultural life, music, geography, languages, etc, which are constantly available to the interested listener in the broadcasts from all parts of the globe.

The WORLD RADIO TV HANDBOOK is not only a classic, quick, clear and easy-to-use tool for everyone who wants to enjoy world listening, but also a very enlightening and sensible guide which, through concrete and practical suggestions and examples, takes its readers through easy stages in The WORLD RADIO TV HANDBOOK is thus not showing how to avoid the many pitfalls which beset the listener when trying to tune in and identify the stations.

The WORLD RADIO TV HANDBOOK is thus not only furnishing the listener with convenient and concise information, from which can be secured workable, usable and productive helps for immediate employment in the field of listening, but also securing that the international radio stations will have a steady-growing audience.

*Poul Ginnerup, Copenhagen, Denmark.*

Racal is a world leader in solid state HF communications receivers and systems. Name your requirement and Racal can meet it. Any facility which you require exists within the brilliantly designed modular equipments which Racal produces. The complete system of your choice with its adaptors, synthesizers and ancillaries assembled into a cabinet of the highest professional standard can be made available to you quickly. The Racal name in communications stems from the internationally famous RA.17 series of receivers. Its successor, the all solid state RA.217, forms the basic receiver for future Racal receiver systems. Like its predecessor, the RA.217 series has the same unequalled standard of receiver performance, a standard of performance chosen and preferred by major users in almost every country of the world.

**THE RACAL RA.1217 SOLID-STATE COMMUNICATIONS RECEIVER**
*(rack version of RA.217) 1 to 30 MHz, DSB, SSB, MCW, CW, fully transistorised high sensitivity stability and setting accuracy, facilities for external frequency control*

**Wherever communication is vital – choose Racal. You'll choose wisely.**

**RACAL**

***RACAL COMMUNICATIONS LIMITED,***
***Western Road, Bracknell, Berkshire, England.***

(continued from page 14)

Several broadcasting stations announce frequencies in kilocycles or megacycles. A kilocycle is 1000 cycles. A megacycle is 1000 kilocycles.

Due to the propagational conditions, interference by other stations, jamming, malfunction of transmitter, reallocation of frequencies by a country or convention, or for some other reason, stations may use frequencies which are at variance with the frequency(ies) indicated in this handbook.

**Beams:** The azimuth of maximum radiation of the transmitting antenna is given in degrees (clockwise) from True North, where such details are given by the respective stations.

**Program times** used in the listings are based on the 24 hour clock. Midnight is 00.00 hours, 3 a.m. is 03.00 hours, 9 a.m. is 09.00 hours, and midday is 12.00 hours. Then, instead of starting another 12 hour cycle (p.m.), under the 24 hour system the hours increase until midnight. Thus 3 p.m. is 15.00 hours, 10 p.m. is 22.00 hours, and so on until 23.59 (11.59 p.m.) is reached and a new 24-hour cycle starts. This system eliminates any confusion between times a.m. and p.m.

**Time Conversion:** All programs are listed in GMT (Greenwich Mean Time). To convert from GMT to your local time, refer to the World Time Table on page 76 to determine how many hours your time is ahead or behind GMT, and add or subtract that amount in order to convert to your clock time. For quick conversion, it is useful to write the GMT hours, 00 to 24, down on one side of a sheet of paper, and then enter the correct local time opposite each GMT hour. Summertime or Daylight Saving time, adds an hour to local time so this should be taken into account in countries where it is utilized.

**Program schedules:** The program schedules of many countries are divided into Home Services and Foreign Services. The Home Service programs are arranged by language and by program services or networks. The Foreign Service transmissions are generally arranged by beam area, and by language for each beam area. The times and frequencies of the programs in each language are listed together, in order to facilitate the determination of the times and frequencies of the broadcasts in each language.

Therefore, if you wish to hear a broadcast in a particular language from a country, refer to the listing for the country of the time and frequency of broadcasts in that language. Most broadcasts are transmitted on more than one frequency, so try the various frequencies listed, to determine which one is received best at your location.

**Identification of Stations:** Most stations in Europe, Middle East, Africa and Asia identify by announcing their station name and location. Most stations in North America and Pacific (incl. Australia/New Zealand) identify by the use of a call sign of 3 to 5 letters of a combination of letters and figures, of which the first, or first 2, denote the nationality in accordance with the international list of prefixes. Most stations in L. America use a call sign (sometimes not frequently announced), a station name, and location.

In addition, many stations use musical interval signals at sign on and between programs, in order to help listeners to find the station on their dial and identify it as the desired station. These interval signals are included in the country listings.

**How to identify a Station by Frequency or Wave length:** When you hear a station that is unknown to you, first try to determine some clue to its identity by attempting to determine the language, noting the type of program, etc. Then, note the approximate frequency or wavelength indicated on your dial, and turn to the table "Short-wave Stations of the World" in the back of the Handbook, and ascertain what stations operate in that vicinity. Next, check the program listings to determine which of the stations are scheduled to operate at that time of day, and which are most likely to be audible at your location, depending on the power and distance away. For definite confirmation, it is desirable to wait for station announcement or interval signal.

**Frequency Changes:** The frequencies listed are those which were scheduled for use at the time of publication. However, due to a number of reasons, including interference and changes in propagation conditions, it may be necessary for a country to make frequency changes. Often only one of the frequencies on a program will be changed, so the new frequency can be determined by tuning in the other frequencies and listening for the announcement of the frequencies being used. Reference to a publication listing the latest frequency changes for the Internation Stations: the **Summer-Edition to the WRTH** (published by mid-June each year).

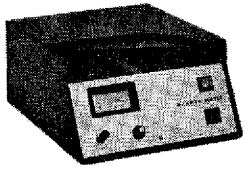
**Interference:** Due to the present crowded condition of the medium and short wave broadcasting bands, interference may be encountered from other stations operating on the same or closely adjacent frequency. In addition to interference from other broadcast stations, there may also be interference from "Jammers", which transmit a variety of noises in an attempt to prevent certain foreign broadcasts from being heard in the country operating the jammers. When interference is encountered, try another of the listed or announced frequencies, if several are in use, or try a broadcast at another time.

**Reception from Hard-to-Hear Countries:** If you wish to hear a station or program from a particular country, refer to the listing from that country, determining first whether it has any broadcasts beamed towards your area or adjacent areas, if not, refer to the frequency, time and power listing to determine where and when reception might be possible. Also, note the bands and times when stations in other countries in that part of the world are audible. It is possible to hear many far distant stations, even if they do not beam programs to your area, by listening when the propagation and clearness of channel conditions are favorable.

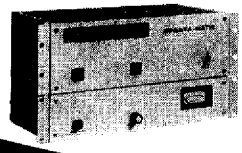
**Verification by QSL-cards:** As indicated in the program listings for the various countries, many stations are interested in receiving reports from listeners about their transmissions. These stations acknowledge reports by sending listeners a QSL card (verification) or letter. Most **international** broadcasting stations do not require enclosure of return postage and will reply with a QSL card or letter. **Domestic** broadcasting stations do not normally request reports from foreign listeners, so return postage should be sent with reports to these stations. Return postage should be sent in the form of an International Reply Coupon (IRC), obtainable at post offices in most countries. Reports should be sent to the station address given in the country listings. They can be

(continued page 18)

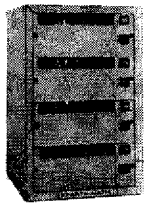
# SPARTA-MATIC®
# TAPE CARTRIDGE SYSTEMS*



**800C SERIES**
Space saving, compact, table-top convenience • Transistorized modular electronics • Super-silent operation • Hinged lid for easy internal access •

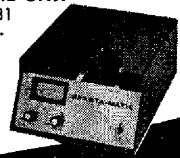


**300C SERIES**
Rack, table-top or cabinet mounting • Transistorized plug-in modules • 2nd and 3rd tone cue option • Separate record amplifier • Full remote operation



**MC-104**
**MULTI-CARTRIDGE PLAYBACK**
Provides four independent plug-in CH-5 tape cartridge transports • Compact design for table-top (illustrated) or rack mount installation • Individual transistorized electronics • Manual or sequential operation • Multi tone and audio switcher options

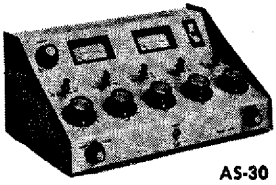
**CD-15 TIME DELAY & REVERB UNIT**
Time delay of 3 seconds to 31 minutes • Provides "before-air" censorship of conversational programing • Selective reverberation effects.



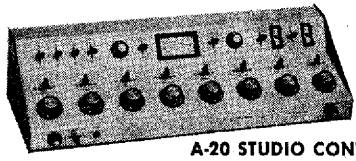
* ALL SPARTAMATIC SYSTEMS EXCEED NAB STANDARDS

† ALL SPARTA CONSOLES EXCEED FCC PROOF OF PERFORMANCE SPECIFICATIONS

# SPARTA
# AUDIO EQUIPMENT AND ACCESSORIES†



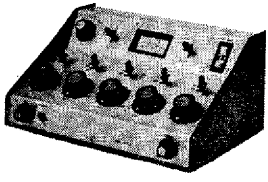
**AS-30**
**STEREO AUDIO CONSOLE**
Five stereo mixer channels • 14 stereo audio inputs • Monitor, cueing & muting terminal facilities provided • All transistorized modular electronics • Selectable stereo/mono mode control



**A-20 STUDIO CONTROL CONSOLE**
Full facility audio control center • All transistorized • Eight mixers • Twenty-two inputs • Self-contained power supply • 5 watt monitor and .5 watt cue amplifier • Accomodates eight preamps (three supplied) • Individual electronic modules • Studio talkback provisions • Functional, space-saving compactness • All inputs and output are transformer balanced

**RA-5 REMOTE MIXER**
Two mixers • 3 audio inputs • Line test oscillator • P.A. output • 30 hour battery operation • Shoulder strap carrying case included • Optional A/C Power Supply (PS-3)

**AC-155 STUDIO/REMOTE UNIT**
Recording studio • Remote broadcast • Main studio control • Full broadcast facility • Monitor & cue system • Muting • P. A. output • Solid state removeable console • Two 3-speed custom turntable systems • Six low-level and eight high-level inputs •



**A-15 AUDIO CONSOLE**
14 audio inputs • Five mixing channels • Built in monitor, cueing & muting systems • All transistorized modular electronics • Three line outputs plus P.A., headphone & external speaker output • Accomodates up to four preamps

**Write Dept. WRT for complete information**

*Exclusive Export Distributors*

BROADCASTING DIVISION
Singer Products COMPANY INC
95 Broad Street, New York, N.Y. 10004 CABLE: EXREGNIS

*(continued from page 16)*
written in English in most cases, but Spanish is preferred by South and Central American stations.

Reception reports are useful to radio engineers in selecting the most suitable frequencies for broadcasts beamed to your area. Reports are preferred in the SINPO code, which is as follow:

| S (Signal Strenth) | I (Interference) | N (Noise) | P (Propagation Disturb. | O (Overall Merit) |
|---|---|---|---|---|
| 5 excellent | 5 nil | 5 nil | 5 nil | 5 excellent |
| 4 good | 4 slight | 4 slight | 4 slight | 4 good |
| 3 fair | 3 moderate | 3 moderate | 3 moderate | 3 fair |
| 2 poor | 2 severe | 2 severe | 2 severe | 2 poor |
| 1 barely aud. | 1 extreme | 1 extreme | 1 extreme | 1 unusable |

Information about **Television Stations** is provided in the section following the radio section, including names and address of Television companies, location, power and channel of Television stations, and program schedules of these stations.

With reference to the first Television page we give a short explanation of some of the technical words and figures mentioned—The announced **location** of the station is usually the studio location, since most TV tr's are situated upon the highest location in the area in order to obtain more widespread coverage—Two systems of **modulation** are used to transmit the audio signal of the TV st's either frequency modulation (FM) or amplitude modulation (AM). All video transmissions are normally amplitude modulated — **Polarization** signals are horizontally polarized (H) or are vertically polarized (V). Polarization is usually selected according to the need for a reduction of interference with other stations, or to obtain engineering standards required by the government of the country in which the st. is located — The **band width** is shown in MHz and represents the limits within which both the video and audio tr. are contained — **Number of lines** transmitted express the number necessary to form one complete frame or picture, and **frames** state the number of times per second the picture area is completely scanned — **Video and Audio Power** is indicated in kilowatt (kW) or Watt (W). In the most cases the figures denote the effective radiated power (ERP) due to the stations antenna system—**Video and Audio Frequency** is stated in MHz per sec. The relationship between the quoted figures and the limits of the video band varies among countries and can be determined by reference to the standards of the systems used by the respective countries.


**FINLANDS DX-CLUB INTERNATIONAL**

**The Friendly DX-Club!**

Club paper ATTENTION B, 10 times a year, including up-to-date DX-hints and features written by experts on DX-ing.

Membership fee only US $ 2,50 or sh 18/- or DM 10,- a year (by air mail to North America US $ 4,-)

Sample copy of ATTENTION B for 2 IRC's. Send today for details to: FDXCI, Box 10214, Helsinki 10, Finland.

**REMEMBER!**

Your DX-programme "The DX-Mailbag Show" on the air from Radio Finland Fridays at 16.00-17.00 GMT and Saturdays 12.15-13.15 GMT on 17720, 15185 and 9555 kc/s. "Finnmagazine" now on Saturdays 16.00-16.30 GMT and Sundays 12.15-12.45 GMT on the same frequencies. These programmes are produced and presented by Finlands DX-Club, Box 10214, Helsinki 10, Finland.

Finland's DX-Club is the first with the news — on the air and in print!

*"I have just received the current issue of the Radio New York Worldwide Listeners Club magazine, which is sent each month to all WNYW Club members. Inside its attractive cover are several shortwave news items; technical tips (this issue deals with a choice of microphones), Shortwave Corner, and an article dealing with the early life of Signor Marconi, the inventor of wireless; and an amusing little story about the trials experienced by a newcomer to shortwave listening."*

Irish Press—Ireland

There's a definite reason why thousands of people are joining the Radio New York Worldwide Listeners Club . . . take a long look at what every member receives:

- Each month, 12 months a year, we issue a special Club magazine filled with news on international radio, hi-fi and electronics features.
- Every member receives an 8 and ½ inch impressive gold membership certificate and special wallet-sized membership card.
- All members receive advance Radio New York Worldwide (WNYW) frequency and program information.

If you'd like to join for one year all you need do is send $1.00 (U.S.) or its equivalent in any currency (check, money order, ten International Reply Coupons —available at your local post office or, in the United Kingdom, domestic money orders in the amount of 7/2d and crossed), to:

**RADIO NEW YORK WORLDWIDE LISTENERS CLUB**

**485 MADISON AVENUE**
**NEW YORK 10022 USA**

# The new Ampex AG-20 leaves other portables standing

## Sound Studio at 12,000 feet

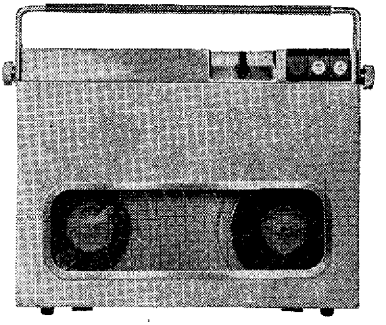
The Ampex AG-20 is the only *really* portable recorder that gives *really* professional quality.

It's at home recording sophisticated laboratory experiments, or recording the voices of sky divers falling at 124 m.p.h. Plug the AG-20 into a sound system and broadcast the tape . . . without editing. Applications are numberless.

This tiny package (only 12 lbs weight) has extreme durability, fantastic reproduction quality, unequalled ease of operation, fully adjustable heads, silicon transistors and tantalum capacitors throughout. And the world famous Ampex name on the front.

The AG-20 is all you've ever wanted in a professional portable recorder. And then some. (And it costs less.)

**Weight:** 12 lbs. **Size:** 12⅛" x 9¼" x 3¼".
**Tape speed combinations:** 3¾/7½ ips. 1⅞/3¾ ips. 7½/15 ips.
**Frequency response:** (at record level of — 10 db)
15 ips: 50 Hz to 16 k Hz (± 1.5 db).
7½ ips: 50 Hz to 12 k Hz (± 1.5 db).
3¾ ips: 50 Hz to 9 k Hz (± 2.0 db).
1⅞ ips: 50 Hz to 7 k Hz (± 3.0 db).
**Signal/Noise Ratio:** 15 ips & 7½ ips: Full track 60 db, Half track 55 db. 3¾ ips: 55 db, 50 db, 1⅞ ips: 50 db, 45 db.
**Flutter:** 15 ips and 7½ ips: better than 0.15%.
3¾ ips: better than 0.2%. 1⅞ ips: better than 0.4%.
**Speed Stability:** Better than ± 0.25%.



**AMPEX** **AG-20**

Ampex world headquarters is in Redwood City, California, and Ampex sales and service facilities are conveniently located in major cities throughout the world. For more information write to: Ampex Great Britain Ltd., Acre Road, Reading, Berkshire, England. Telephone: Reading 84411. Ampex S.A., Via Berna 2, Lugano, Switzerland. Telephone: 091/3.81.12. Ampex Europa G.m.b.H. Elbestrasse 1, Frankfurt/Main, Germany. Telephone: 252001-5. Ampex, 41 Avenue Bosquet, Paris 7e, France. Telephone: 705.38.10.

# INTERNATIONAL BROADCASTING AND TELEVISION ORGANIZATIONS

## EUROPEAN BROADCASTING UNION (EBU)
## UNION EUROPEENNE DE RADIODIFFUSION (UER)
## EUROVISION

**Seat, Administrative Office, Department of Legal Affairs:** 1, rue de Varembé, CH-1211 Geneva 20, Switzerland.
**Technical Centre:** 32, av. Albert Lancaster, Brussels 18, Belgium.
Receiving and Measuring Station: Jurbise (Belgium).
International Television Coordination Centre (Eurovision),, Palais de Justice, Brussels, Belgium.
**Administrative Council:** President: J. B. Broeksz, NTS-NRU (Associations of Dutch Radio and Television Organizations). Vice-Presidents: Sir H. Greene, BBC (British Broadcasting Corporation), J. B. Dupont (O.R.T.F.),
Administrators: Representatives of broadcasting organizations in: Denmark, Finland, France, Germany (Fed. Rep.), Ireland, Italy, Netherlands, Spain, Switzerland, United Kingdom (BBC) and Yugoslavia.
**Directors: Director, Administrative Office:** H.Hahr. **Director of Legal Affairs:** G. Straschnov. **Director of Technical Centre:** G. Hansen. **Active Members:** Broadcasting organizations in: Austria, Belgium, Denmark, Finland, France, German Fed. Rep. (ARD, ZDF), Greece, Iceland, Ireland, Israel, Italy, Lebanon, Luxembourg, Monaco, Netherlands, Norway, Portugal (ENR, RTP), Spain, Sweden, Switzerland, Tunisia, Turkey, United Kingdom (BBC, ITA/ITCA), Vatican State, Yugoslavia.
**Associate Members:** Broadcasting organizations in: Algeria, Australia (ABC, Federation of Australian Commercial Television Stations), Brazil (Associação Brasileira de Emissoras de Rádio e Televisão, Diarios Associados Ltda., Emissoras Unidas de Rádio e Televisão), Canada (CBC), Ceylon, Chad, Congo (Kinshasa), Cyprus, Dahomey, Gabon, Ghana, Haiti, Iran, Ivory Coast, Japan (NAB, NET, NHK, TBS), Kenya, Liberia, Malawi, Malta, Mexico, Morocco, New Zealand, Niger, Nigeria, Pakistan, Rep. of South Africa, Rhodesia, Tanzania, United States (ABC, BFA, CBS, NAEB, NBC, NET, Time-Life Broadcast Inc., US Information Agency), Upper Volta.
**Publications:** EBU Review - every month in English and French, published in two separate parts: A (Technical) and B (General and Legal) - Lists of European stations (long and medium waves, VHF sound broadcasting, and television) - General, Legal and Technical Monographs - Reports of seminars on educational television.

## INTERNATIONAL RADIO AND TELEVISION ORGANISATION
## OIRT

**Addr:** 15, U Mrázovsky, Prague 5, Czechoslovakia. **Cable:** Interadif, Praha.
**Nature:** International Organization dealing with practical and theoretical questions connected with broadcasting and television prgr's and technique and cooperation between broadcasting and television organizations.
**Governing Body:** General Assembly consisting of one representative for each active member.
**Administrative Council:** Consisting of 7 to 13 members, Chairman for 1966-1967: Wlodzmierz Sokorski, President of the Polish Radio and Television Committee. Vice-Chairmen for 1966-1967: representatives - Presidents or General Directors of the U.A.R. Broadcasting Corporation, Cairo and of the National Broadcasting Organization "Voice of Vietnam", Hanoi.
**Members:** Representatives of the Radio and Television Organizations of the Chinese People's Rep., Rep. of Cuba, Czechoslovak S. Rep., Lithuanian SSR, People's Rep. of Poland, Rumanian Socialist Rep., United Arab Rep., Union of Soviet Socialist Rep., Democratic Rep. of Vietnam.
**Members:** Radio and Television Organizations of: People's Rep. of Albania; Belorussian SSR; People's Rep. of Bulgaria; Chinese People's Rep.; Rep. of Cuba; Czechoslovak S. Rep.; United Arab Rep; Estonian SSR; Finland; German Democratic Rep; Hungarian People's Rep; Iraq; Korean People's Democratic Rep; Latvian SSR; Lithuanian SSR; Rep. of Mali; Moldavian SSR; People's Rep. of Mongolia; People's Rep. of Poland; Rumanian Socialist Rep; Ukrainian SSR; Union of Soviet Socialist Rep; People's Democratic Rep. of Vietnam.
**Facilities:** Administrative Office and technical Centre, Prague, Czechoslovakia.
**Specialized Commissions:** Technical Commission: Chairman: Z. Zherkov (Bulgarian People's Rep.). Radio Prgr. Commission: Chairman: R. Grimmer, First Vice-President of the Radio & Television Organization of the German Democratic Rep; Television Prgr. Commission and Intervision Council: Chairman F. Kulcsár, Hungarian Radio and Television.
**Publications:** Review of the International Radio and Television Organization (OIRT) "Radio and Television" in English - French, Russian and German, issued every two months. Monthly OIRT Information, and quarterly Catalogues radio prgr's suitable for exchange.
**Meetings:** General Assembly every two years. Administrative Council every year.
**Relations** with all important organizations active in the field of radio and television.

## INTERNATIONAL TELECOMMUNICATION UNION

**Addr:** Place des Nations, 1211 Geneva 20, Switzerland. **Te:** 237000 - 348000.
**Secretary General** ad interim: Mr. Mohamed Mili.
**Inter. Frequency Registration Board (IFRB)**
**Chairman:** Mr. Fioravanti Dellamula. **Vice-Chairman:** Mr. Abderrazak Berrada.
**Intern. Tel. & Tel. Consultative Committee (CCITT).**
Dir: J. Rouvière, France.
**Intern. Radio Consultative Committee (CCIR).** Director: Mr. Jack W. Herbstreit
Study Group X (broadcasting). Chairman: A. P. Walker, USA; Study Group XI (television), Chairman: E. Esping, Sweden; Study Group XII (Tropical Broadc.), Chairman: Chaman Lal, India.
**Administrative Council:** Algeria, Argentina, Australia, Brazil, Canada, China, Dehomey, Ethiopia, Federal Rep. of Germany, France, India, Ireland, Italy, Japan, Lebanon, Malagasy Rep., Mexico, Morocco, Nigeria, Pakistan, Poland, Saudi Arabia, Switzerland, Uganda, United Kingdom, United States of America, USSR, Venezuela, Yugoslavia.
**Membership** (132 members as at 1st August, 1967): Afghanistan, Albania (People's Rep. of), Algeria (Dem. and Popular Rep. of), Saudi Arabia (Kingdom of), Argentine Rep, Australia (Commonwealth of), Austria, Belgium, Bielorussian SSR, Burma (Union of), Bolivia, Brazil, Bulgaria (People's Rep. of), Burundi (Kingdom of), Cambodia (Kingdom of), Cameroon (Federal Rep. of), Canada, Central African Rep, Ceylon, Chile, China, Cyprus (Rep of), Vatican City State, Colombia (Rep. of), Congo (Dem. Rep. of the), Congo (Rep. of the) (Brazzaville), Korea (Rep of), Costa Rica, Ivory Coast (Rep. of the), Cuba, Dahomey (Rep. of), Denmark, Dominican Rep, El Salvador (Rep. of), Terr's represented by the French Overseas Post and Telecomm. Agency, Ecuador, Spain, USA, Ethiopia, Finland, France, Gabon Rep, Ghana, Greece, Guatemala, Guinea (Rep. of), Guyana, Haiti (Rep. of), Upper Volta (Rep. of), Honduras (Rep. of), Hungarian People's Rep, India (Rep. of), Indonesia Rep. of), Iran, Iraq (Rep. of), Ireland, Iceland, Israel (State of), Italy, Jamaica, Japan, Jordan (Hashemite Kingdom of), Kenya, Kuwait (State of), Laos (Kingdom of), Lebanon, Lesotho (Kingdom of), Liberia (Rep. of), Libya (Kingdom of), Liechtenstein (Principality of), Luxembourg, Malaysia, Malawi, Maldive Islands, Malagasy Rep, Mali (Rep. of), Malta, Morocco (Kingdom of), Mauritania (Islamic Rep. of), Mexico, Monaco, Mongolian People's Rep, Nepal, Nicaragua, Niger (Rep. of the), Nigeria (Federal Rep. of), Norway, New Zealand, Uganda, Pakistan, Panama, Paraguay, Netherlands (Kingdom of the), Peru, Philippines (Rep. of the), Poland (People's Rep. of), Portugal Spanish Provinces in Africa, Portuguese Overseas Provinces, Syrian Arab Rep, United Arab Rep, Federal Rep. of Germany, Federal Socialist Rep. of Yugoslavia, Ukrainian SSR, Somali Rep, Rhodesia, Roumania (Socialist Rep. of), United Kingdom of Great Britain and Northern Ireland, Rwanda (Rep. of), Senegal (Rep. of the), Sierra Leone, Singapore, Sudan (Rep. of the), South Africa (Rep. of), and Territory of South-West Africa, Sweden, Switzerland (Confederation), Tanzania (United Rep. of), Chad (Rep. of the), Czechoslovak Socialist Rep, Territories of the USA, Overseas Terr. for the International relations of which the Gov. of the UK are responsible, Thailand, Togolese Rep, Trinidad and Tobago, Tunisia, Turkey, Union of Soviet Socialist Rep, Uruguay (Oriental Rep. of), Venezuela (Rep. of), Vietnam (Rep. of), Yemen, Zambia (Rep. of).

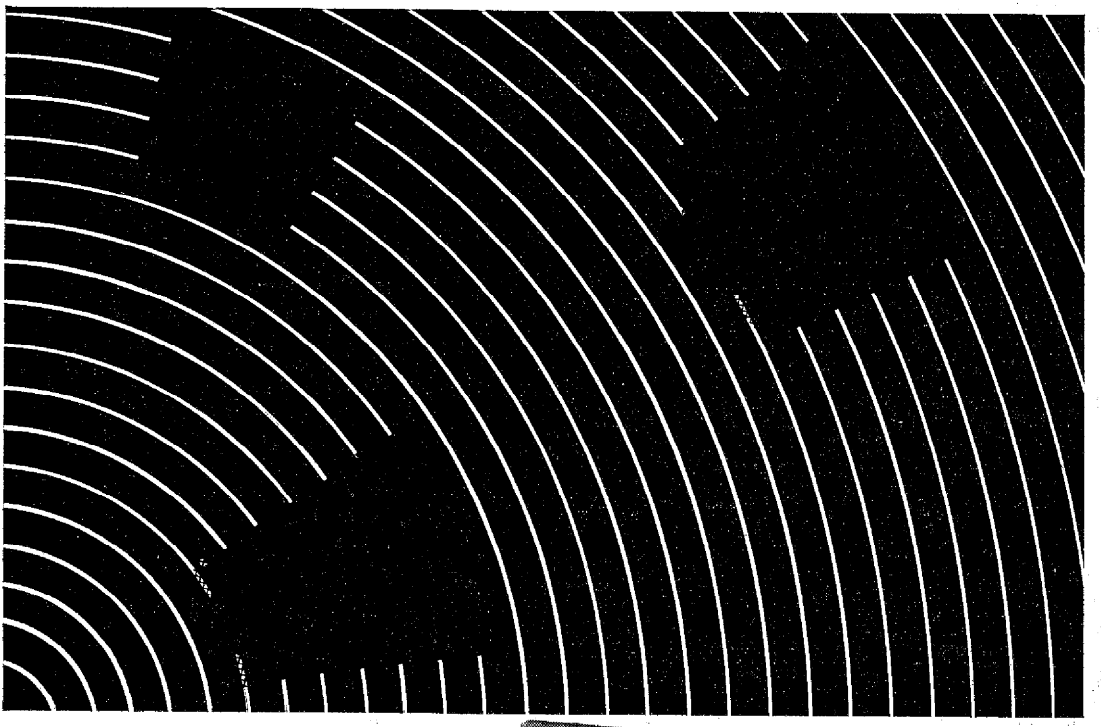
## UNESCO

(United Nations Educational, Scientific and Cultural Organisation)
**Addr:** Place de Fontenoy, Paris 7, France.
**L.P:** Dir. Gen: René Maheu. Asst. Dir. Gen. for Communication: Tor Gjesdal.
OFFICE OF PUBLIC INFORMATION:
**Radio and Visual Information Division:** Chief: H. R. van Stuwe. Deputy Chief: Gerald S. Wade — Regional Units: Anatoli Bolgarev (Russian language production), Jean Calvel (French language production), Rex Keating (English language production), Fernando Restrepo (Spanish language production). Films and TV Officer: Jean S. Bhownagary.
MASS COMMUNICATION DEPARTMENT: Dir: William Farr. Division of Development of Mass Media: Chief: Pierre Navaux. Division of the Use of Mass Media for Out-of-School Education: Chief: Henry R. Cassirer.

## UNION OF NATIONAL RADIO AND TELEVISION ORGANISATIONS OF AFRICA (URTNA)

URTNA is a Union of National Broadcasting Organisations of all independent Africa, its aims, under Article 2 of its statutes are: -

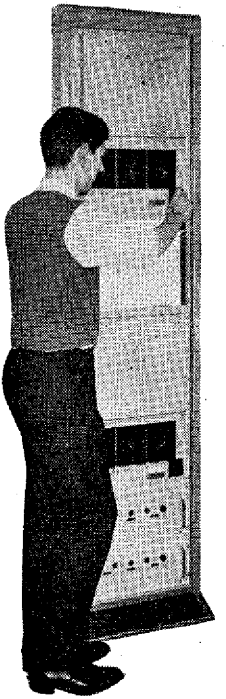
*(continued page 22)*



# Filling in the shadows

To increase the coverages of VHF television stations and to fill in the 'shadows' in main station coverage caused by uneven features in terrain, STC has produced the FTU.5-A low power television translator for combined translation and amplification of vision and sound channels. Orders have been placed on STC by the ITA for VHF translators, and by the BBC for bands IV and V translators.

The reliability of the FTU.5-A is such that stations can run entirely unattended for long periods. The use of solid-state techniques virtually eliminates the risk of failure and consequent shut-down, and the need for skilled maintenance is reduced to a minimum.



□ Suitable for European monochrome systems □ Designed for unattended operation □ Common circuits for sound and vision □ Extensive use of solid-state techniques.

Standard Telephones and Cables Limited, Radio Division, Oakleigh Road, New Southgate, London N.11, England. Telephone: 01-440 3451. Telex: 261912.

world-wide telecommunications and electronics

**STC**

67/13E

*(continued from page 20)*

"The U.R.T.N.A. has no commercial aims. Its objects are: -

(a) To support in every field the interests of those African organisations operating radio and or television services that have accepted the present statutes and to establish relations with other international organisations.

(b) to promote and coordinate the study of all questions relating to broadcasting and to secure the exchange of information on all matters of general interest to those radio and or television services.

(c) to take all possible steps designed to assist the development of African radio and television in all its forms. to seek within the framework of African co-operation, the solution to any differences that may arise between members.

(e) to use its good offices to ensure respect by all members for the provision of international and inter-African agreements relating to all aspects of radio and television".

The Union headquarters is at the moment in Dakar and its Technical Centre at Bamako - The Pres. of the Union is Mr. M. Rezzoug, Algeria; Vice-Pres. Mr. Racine Kane, Mali. The Director of the Administrative Centre at the Headquarters is Mr. A. H. Younes. The Director of the Technical Centre is A. H. Antar. Members of the Administrative Council of the Union are Algeria, Cameroon, Congo-Brazzaville, Ivory Coast, Mali, Mauritania, Nigeria, Senegal and Togo. - The Headquarters address of the Union is U.R.T.N.A., 15, Boulevard de la Republique, B.P. 3237, Dakar, Senegal - Secr. Gen: A. Taher.

## ASIAN BROADCASTING UNION

Headquarters: ABU Secretariat, c/o NHK, Uchisaiwai-cho, Chiyoda-ku, Tokyo, Japan. Cable address: ABUNI, Tokyo.
**Sec. Gen.'s Office:** Box 3636, G.P.O., Sydney, Australia. Cable address: ASBUN, Sydney.

**President:** Yoshinori Maeda, President, Nippon Hoso Kyokai, Japan.

**Administrative Council:** Australian Broadcasting Commission, Broadcasting Corporation of China, All India Radio, Nippon Hoso Kyokai, Radio and TV Malaysia, New Zealand Broadcasting Corporation, Philippine Broadcasting Service, Radio Thailand, Turkish Radio and TV Corporation.

**Secretary-General:** Sir Charles Moses, C.B.E.

**Full Members:** Radio Afghanistan, Australian Broadcasting Commission, Radio Ceylon, Broadcasting Corporation of China, All India Radio, Nippon Hoso Kyokai, Korean Broadcasting System, Radiodiffusion Nationale Lao, Radio and TV Malasia, Radio Nepal, New Zealand Broadcasting Corporation, Radio Pakistan, Philippine Broadcasting Service, Radio and TV Singapore, Radio Thailand, Tonga Broadcasting Commission, Turkish Radio and TV Corporation, UAR Broadcasting Corporation, Radio Viet-Nam, Samoa Broadcasting Service.

**Associate Members:** Federation of Australian Commercial Broadcasters, Brunei Broadcasting Service, Canadian Broadcasting Corporation, Fiji Broadcasting Commission, Office de Radiodiffusion Television Française, Arbeisgemeinschaft der Öffentlich-Rechtlichen Rundfunkanstalten der Bundesrepublik Deutschland, Zweites Deutsches Fernsehen, Radio Hong Kong. Hong Kong Commercial Broadcasting Co. Ltd., Nigerian Broadcasting Corporation, British Broadcasting Corporation, Independent Television Authority/Independent Television Companies Association Ltd. (U.K.), Columbia Broadcasting System (U.S.A.), National Broadcasting Company (U.S.A.), National Educational Television (U.S.A.), U.S. Information Agency, U.S.A., Time-Life Broadcast Inc. (U.S.A.)

The ABU is a Union of national broadcasting organizations in the Asian/Pacific region which was formally established on 1st July, 1964, following five Asian Broadcasters' Conferences held between 1957 and 1963 in Tokyo, Kuala Lumpur and Seoul. The first annual General Assembly of the ABU was held in Sydney in November, 1964, and the second, attended by delegations from 25 members, in Tokyo in October, 1965. The third Assembly in Taipei 24-31 October 1966. The fourth General Assembly was held in Singapore 23-30 October 1967.

**Publications:** ABU Newsletter (Monthly in English).

## INTERNATIONAL BROADCASTERS SOCIETY (IBS)

**Secretariat:** 78 Zwaluwlaan, Bussum, the Netherlands. (Tel: 02159-10005).

**Office for USA:** 380 Lexington Avenue, Suite 303, New York City, N.Y., U.S.A. 10017. Telephone: 212 - MU 2-4500).

**Nature:** The IBS is a world body. It is a non-profit professional fellowship created to serve the needs of all persons and organizations everywhere concerned in any way with radio and television broadcasting.

The IBS function as a permanent forum for maintaining liaison. It interprets the meaning of the word liaison in the broadest possible manner.

**There are three main types of membership.** (i) Corporate, (ii) Personal and (iii) Free Exchange. **Corporate** membership is open to every radio and television station in the world as well as related industries. **Personal** membership is open to anyone in anyway concerned with radio and or television broadcasting. **Free Exchange Membership** is offered to every association and federation in the world, in any way concerned with serving broadcasting interests.

**Governing Body:** The IBS is governed by a Board of Directors elected by the membership. There are sixteen seats on the Board. Names of the current Board will be found in the 1966 WRTH.

**Relations:** The Society has registered members from more than a hundred nations, including an exchange of memberships with a number of national and international associations.

**Status:** The Society is registered with l'Union des Associations Internationales, in Brussels, as a non-governmental and non-legislative organization. The Society is a legal corporate body under the laws of the Netherlands.

## COMMONWEALTH BROADCASTING CONFERENCE

**Members:** All India Radio, Australian Broadcasting Commission, British Broadcasting Corporation, Canadian Broadcasting Corporation, Caribbean Broadcasting Corporation, Ceylon Broadcasting Corporation, Cyprus Broadcasting Corporation, Ghana Broadcasting Corporation, Jamaica Broadcasting Corporation, Malawi Broadcasting Corporation, Malta Broadcasting Authority, New Zealand Broadcasting Corporation, Nigerian Broadcasting Corporation, Radio & Television Malaysia, Radio Pakistan, Radio & Television Singapura, Radio Tanzania, Radio Uganda, Sierra Leone Broadcasting Service, Voice of Kenya, Zambia Broadcasting Services.
Established in 1945, the Conference is a standing association of the national public service broadcasting organizations which are responsible for the planning and presentation of the broadcast programmes of independent Commonwealth countries. Holding in common the belief that broadcasting is a public trust, the member organizations are professionally committed to the establishment and extension of national radio and television services as a means of information, education and entertainment. The principal purpose of the Conference is the professional improvement, through collective study and mutual assistance, of the broadcasting programmes of the member organizations, and of the technical facilities for their transmission and reception. The intensified and sustained training of professional broadcasting staff, in the fields both of programming and engineering, in support of these ends, is a continuing practical concern of the Conference which, at its Sixth Meeting (Nigeria, 1965), established a permanent Study Group on Training to further this work.

The Seventh Conference, which will meet in New Zealand from 20th February to 6th March 1968, will make a particular study of the educational responsibilities of national broadcasting.

**Secretariat address:** Broadcasting House, London, W.1, England.

## ASOCIACION INTERAMERICANA DE RADIODIFUSION (AIR)

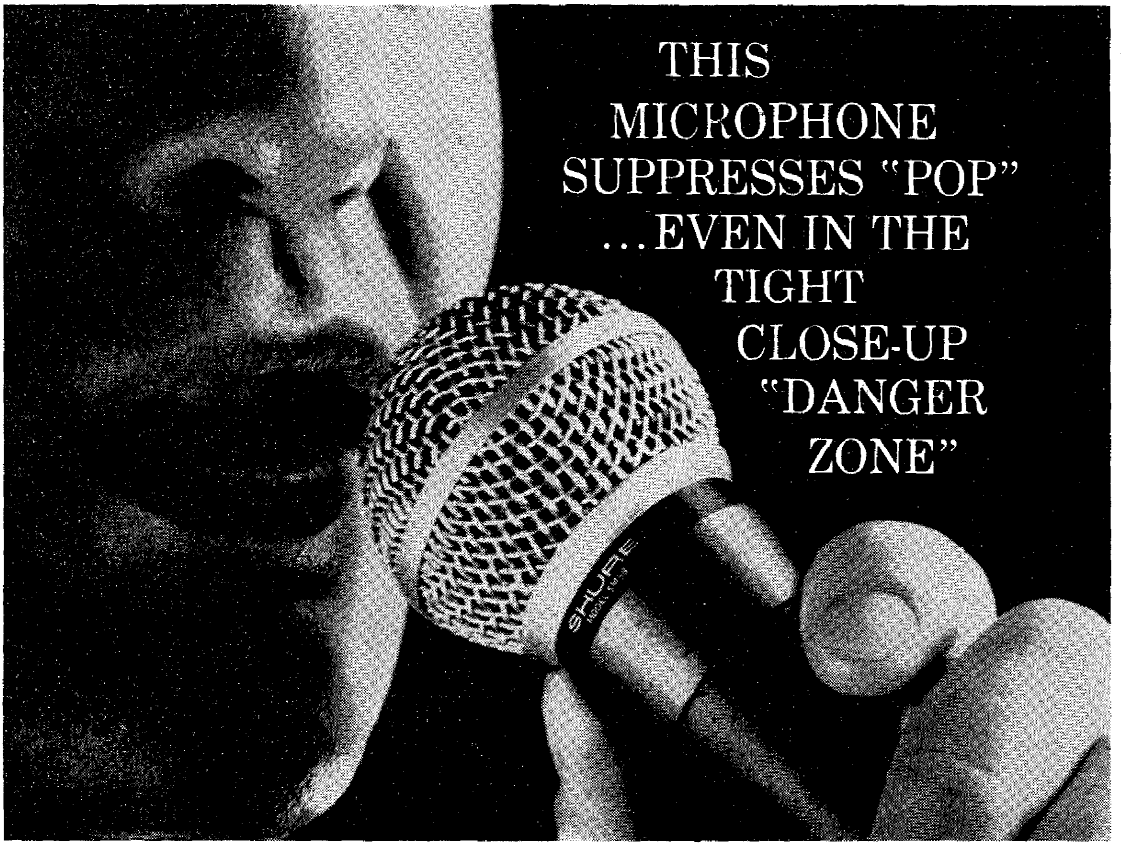
President: Sr. Lic. Félix Cardona Moreno, Apartado 3955, Caracas, Venezuela.

AIR is an association of the broadcasting corporations of the American countries. Founded in 1946 it represents more than 5000 broadcasting and 400 television stations.

## UNIVERITE RADIOPHONIQUE ET TELEVISUELLE INTERNATIONALE (U.R.I.)

**Addr:** 116, Ave. du Pres. Kennedy, Paris 16è, France - **L.P:** Pres. M. R. Dovaz. Secr. Gen: A. Lanoux - Radio Commission: Dr. H. Wicht (Germany); A. Diack (Sénégal); J. Kleibl (Czechoslovakia) - TV Commission: E. Haas (Switzerland); P. Bokor (Hungary); P. Gonelli (Italy).

**TABLE OF SHORTWAVE STATIONS to the Summer-Supplement 1968**
In order to make this as complete and up-to-date as possible we direct an earnest appeal to **all radio stations using shortwave** to send us regularly their transmission- and/or programme-schedules.




The Shure SM58 self-windscreened unidirectional microphone is ideal for broadcast uses as remote news, sports, interview and vocal recordings because it eliminates or minimizes the irritating "pop" caused by explosive breath sounds. It's great for studio announcing, too—or wherever the announcer or vocalist "hugs" the microphone. Of course, the same filters that eliminate pop also do away with the necessity for an add-on windscreen for outdoor uses.

On the other hand, the unusually effective unidirectional cardioid pickup pattern (uniform at *all* frequencies, in *all* planes) means that it is a real problem-solver where background noise is high or where the microphone must be operated at some distance from the performer. Incidentally, but very important, the SM58 tends to control the low frequency "boominess" that is usually accented by close-up microphones.

Other features: the complete pop-proof filter assembly is instantly replaceable in the field, without tools. Filters can be easily cleaned, too. Stand or hand operation. Detachable cable. Rubber-mounted cartridge minimizes handling noise.

Special TV tested non-glare finish. Multi-impedance, small size for maximum handability.

**SHURE SM58**

SELF-WINDSCREENED UNIDIRECTIONAL DYNAMIC MICROPHONE

*Write for complete details and technical data, to—*

**SHURE BROTHERS, INC., International Sales,** 222 Hartrey Ave, Evanston, Ill. 60204, USA.

# RCA...the

The "Matched Line" is the end result of a multi-million-dollar engineering program to produce a new generation of broadcast equipment. RCA Matched Equipment reflects the newest in styling, performance and operation—to produce definite advantages and superiority for you.

Matching means equipments that are designed to provide the ultimate in performance when used together... equipments that are designed and styled to fit together efficiently, and to provide the finest, most modern appearance for the whole station. It means installations that are compact, yet easily expandable, that offer greater reliability, and that provide for easy operation and maintenance. It means simplicity in ordering, easier follow-up and guaranteed satisfaction... from one factory, one ultimate source of responsibility, one set of designers and engineers. And it means equipment that is designed for tomorrow, assuring a better

*"MATCHING" MEANS A BETTER INVESTMENT*

# matched line

investment for you through outstanding performance and equipment longevity.
If owning equipment that performs and looks better together, and lasts longer, appeals to you, why not consider RCA's Matched Line? Fom "big tube" cameras, advanced quadruplex recorders, film and slide projectors... to transistorized switching, controls, transmitters and antennas, the RCA Matched Line is a good thing, all the way, for you.

Contact your local RCA authorized distributor or the nearest RCA International Marketing Subsidiary for further information, or write to: RADIO CORPORATION OF AMERICA, Broadcast and Communications, Products Division, Bldg. 15-1, Camden, N.J. U.S.A. 08102

**RCA International Marketing Subsidiaries:**

EUROPE, MIDDLE EAST AFRICA, RCA International Marketing, S.A., 118 Rue du Rhone, Geneva, Switzerland

MEXICO, CENTRAL AMERICA, CARIBBEAN, RCA Victor Mexicana, S.A., de C.V. Avenida Cuitlahuac 2519, Mexico, D.F.

SOUTH AMERICA, RCA International Ltd., Calle Paroissien 3960, Buenos Aires, Argentina

FAR EAST OCEANIA, RCA International Ltd., 415 Prince's Building, Chater Road, Hong Kong.

**The Most Trusted Name in Electronics**

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# EUROVISION IN 1967

*By J. Treeby Dickinson*
*Chief Engineer, Technical Centre of the E.B.U.*

Eurovision in 1967 will be memorable for the most extensive and elaborate programme that has yet been shown on the screens of the world's television receivers. This was "Our World", the first programme to be originated and broadcast simultaneously in five continents. Work on this two-hour transmission started in April, 1966, when the initial proposal prepared by Aubrey Singer of the B.B.C. was discussed by the E.B.U. Television Programme Committee. The idea of using all the available telecommunication satellites to link as many television services as possible in a programme illustrating the different aspects of life around the world, required the active co-operation of twenty-four television services, as well as of numerous telecommunication authorities and the organisations exploiting communication satellites.

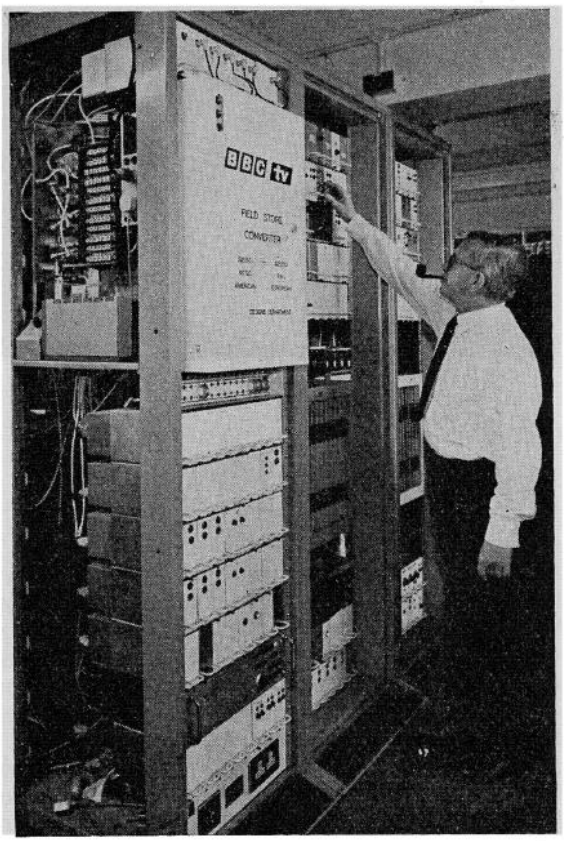
Altogether 500 million viewers are estimated to have seen "Our World" — a greater number even than that for the Final of the World Cup Football Championships in 1966.

Although the technical problems posed by this programme were in their nature similar to those already tackled for earlier large-scale Eurovision productions, the combination of rapid switching between widely-separated sources and the multiplicity of transmission standards implied that the circuit-planning arrangements were the most complicated yet undertaken. Four satellites were used, two over the Atlantic Ocean, one — the main circuit — between the Earth-stations at Andover (United States) and Goonhilly Downs (United Kingdom) and the other — the reserve circuit — between the Earth-stations at Mill Village (Canada) and Pleumeur Bodou (France); the Pacific Ocean was bridged between the Earth-stations at Juo (Japan) and Brewster Flat (United States), which provided a three-way link between Rosman (United States), Toowoomba (Australia) and Kashima (Japan). As is well known, the efforts to associate the members of Intervision with this programme failed, as the television services of the Eastern European countries withdrew a few days before the transmission, necessitating considerable modifications to the plans at short notice.

Standards converters were deployed so that all contributions were distributed without double-conversion to areas using the originating transmission standards, the contributions from Australia, however, being originated on 525 lines to simplify the problem. It was necessary to provide audio-delay facilities at the arrival ends of the transatlantic and transpacific telephone cables to keep the reserve programme-sound synchronous with the picture being relayed by the satellite, which was following a much longer path. In addition to the programme-sound networks, six communication networks were provided for co-ordinating the transmission and distributing the guide commentaries.

The other main innovation during 1967 was the introduction of Eurovision colour transmissions. Several experimental exchanges and loop-tests were arranged during the early part of the year to enable Members of the E.B.U. to verify the performance obtained over the circuits between France, Germany and the United Kingdom. The first programme distributed over the Eurovision network for broadcasting in colour by E.B.U. Members was the "International Star Parade" from West Berlin on 26th August, 1967, the day after the inauguration of colour-television broadcasting in Germany. It was broadcast in colour in the United Kingdom, Denmark and Sweden, the colour information being removed before transmission in Austria, Belgium, the Netherlands, Portugal, Spain and Switzerland, where is was broadcast in monochrome. Colour reception was reported as being of high quality at all points where the colour signal was broadcast.

The number of programme exchanges in colour was limited at the beginning by the small number of organisations that had started colour-television services. By the beginning of 1968, however, regular colour broadcasting will have begun in France, Germany, the Netherlands and the United Kingdom, thus providing a wider range of both sources and destinations for colour programmes. The problem

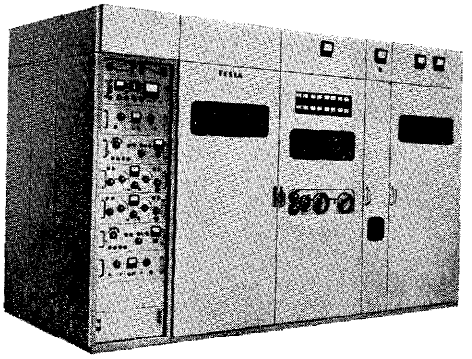


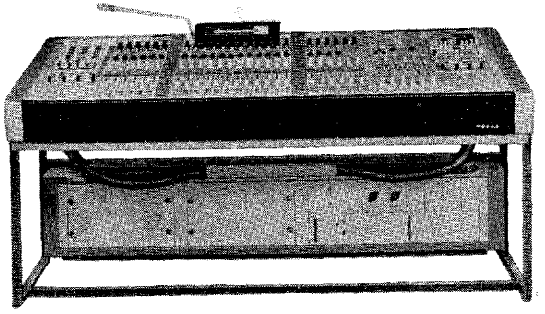

The all-electronic converter developed by the BBC for converting colour-television signals from the American standards to those used in Europe. (BBC copyright

*(continued page 30)*

# BROADCAST AND TV EQUIPMENT

TESLA





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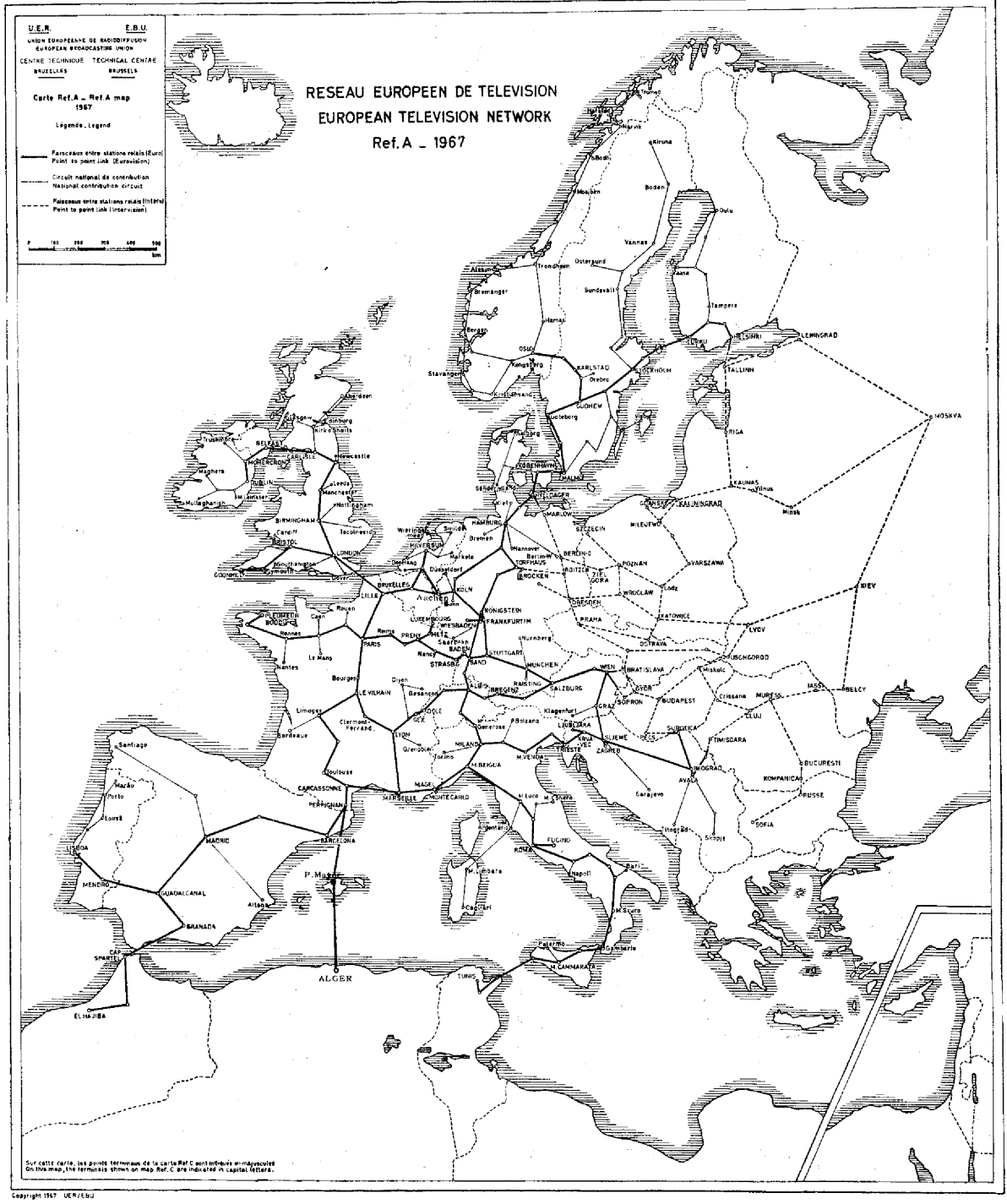
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EUROPEAN BROADCASTING UNION
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BRUXELLES BRUSSELS
Carte Ref.A – Ref.A map
1967
Légende – Legend
Faisceaux entre stations relais (Euro) Point to point link (Eurovision)
Circuit national de contribution National contribution circuit
Faisceaux entre stations relais (Intervision) Point to point link (Intervision)
RESEAU EUROPEEN DE TELEVISION
EUROPEAN TELEVISION NETWORK
Ref.A – 1967
Sur cette carte, les points terminaux de la carte Ref.C sont indiqués en majuscules
On this map, the terminals shown on map Ref. C are indicated in capital letters.

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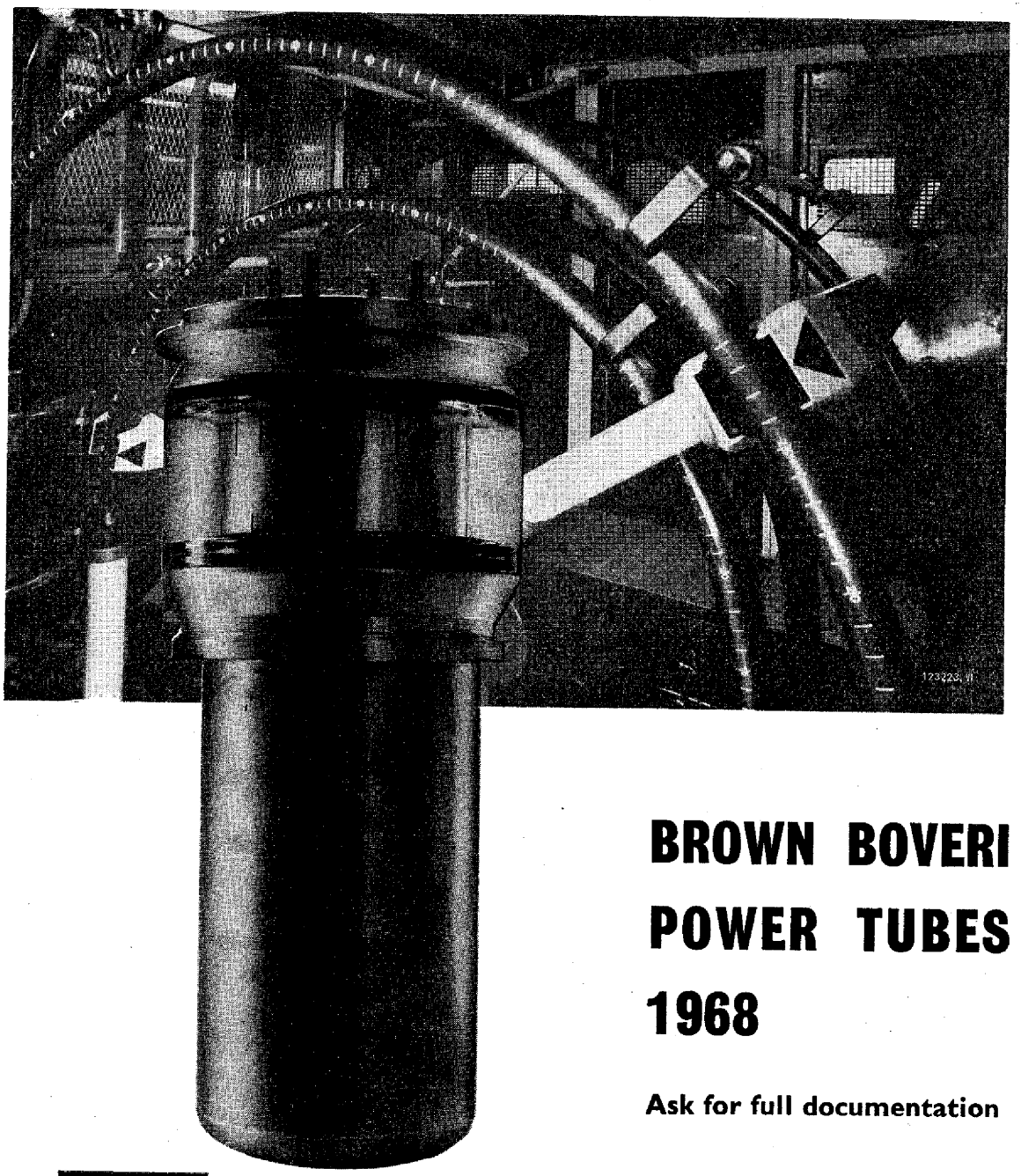
A new point-to-point link from München to Praha via Nuremberg and a new national distribution circuit from Strasbourg to Besancon are expected to be taken into service during 1968.



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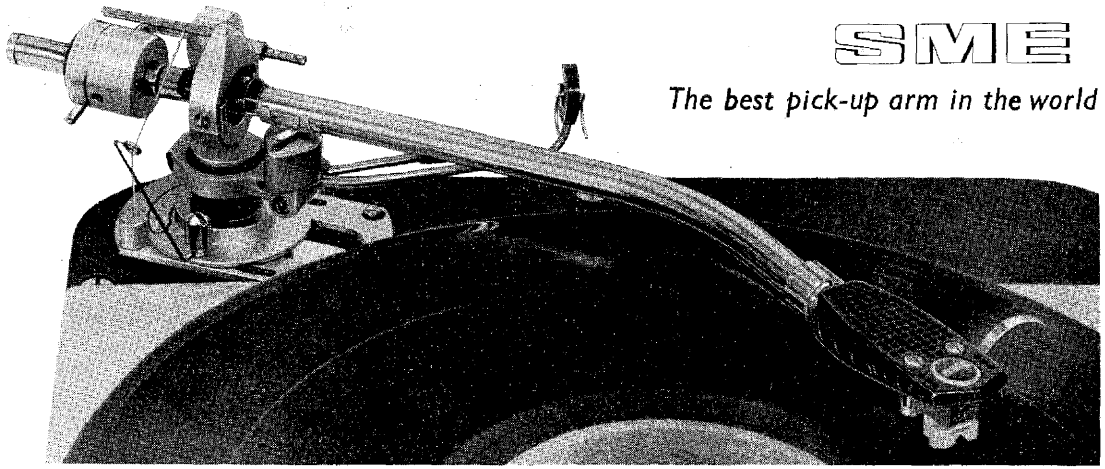

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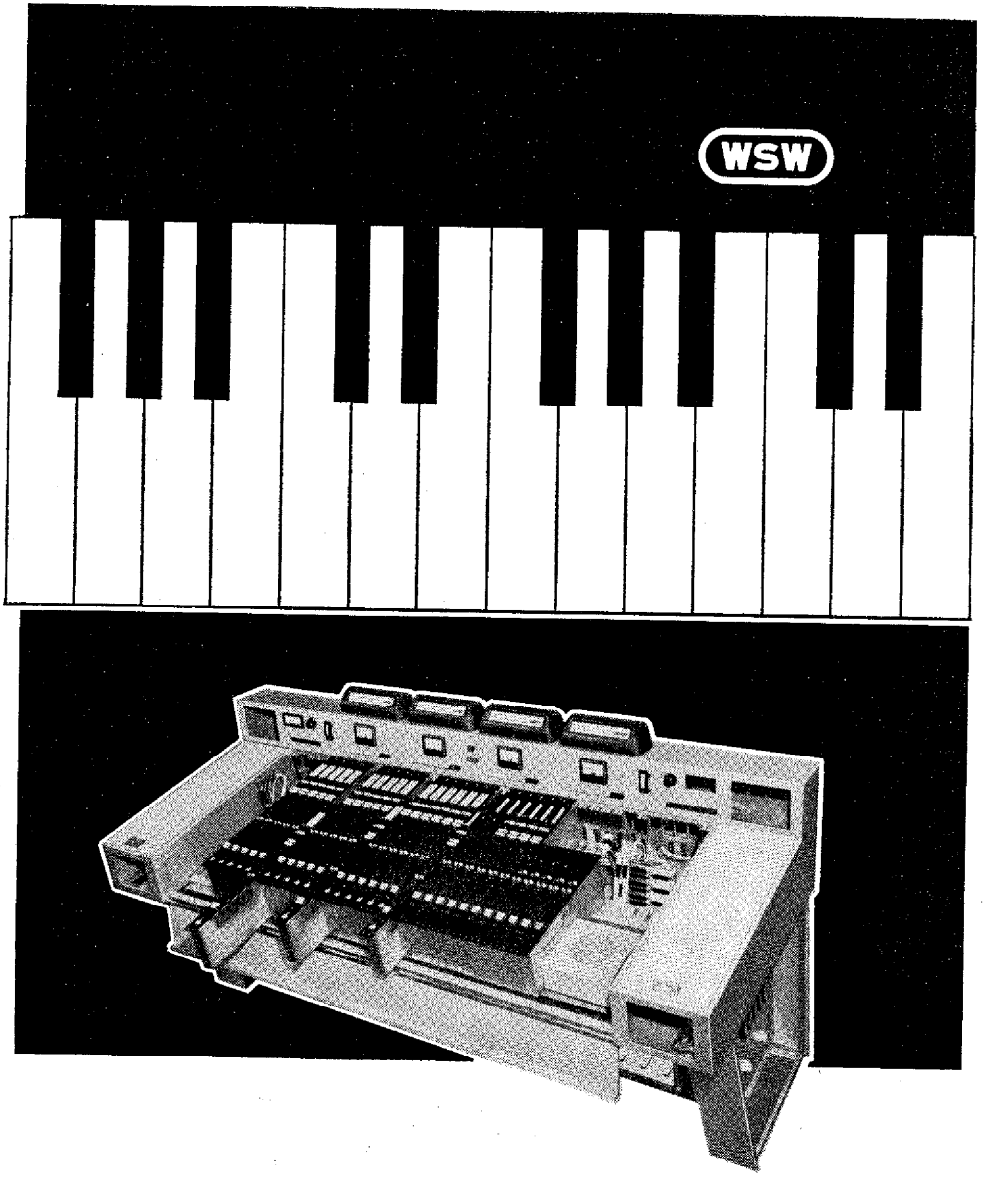
*(continued from page 26)*

of transcoding between the SECAM system used in France and the PAL system used in the other three countries mentioned above has been one of the handicaps which has complicated the work of Eurovision. It has been agreed, therefore, that, as a matter of principle, colour signals will be distributed over the Eurovision Network in the system in which they are originated and that organisations requiring a different colour or monochrome signal for their own purposes will effect the necessary transcoding locally. Exchanges with the countries using the 525-line NTSC-colour system, such as the E.B.U. Associate Members in the United States, Canada, Mexico and Japan are also possible through the use of the electronic field-store colour converter developed by the B.B.C., first used on 10th September, 1967, to relay the 'World Series' Golf Championships from Akron, Ohio in the United States to viewers in the United Kingdom. This converter is used also when the B.B.C. broadcasts tape-recordings in colour obtained from the United States and other 525-line sources.

The regular exchange of monochrome programmes has continued to develop, with a total of 1845 transmissions in 1966 planned and directed by the E.B.U. Technical Centre, Brussels, having a total duration of 1146 hours — representing increases over 1965 of 19 per cent. and 18 per cent., respectively. Figures for the first half of 1967 are 1001 transmissions and 555 hours, indicating that the rise is not quite so rapid this year. The programme category showing the greatest rate of growth was again the Daily News Exchange, which was particularly busy at the time of the Middle East crisis in the Spring of 1967. An interesting trend is the increase in the average number of organisations receiving each programme. Among the entertainment programmes with the biggest audiences broadcast by E.B.U. Members were those organised by the E.B.U. Television Programme Committee, such as the Eurovision Song Contest which was won in 1967 by the United Kingdom entry; the 1968 Contest will be originated and distributed in colour.

Almost all E.B.U. Active Members having television services can now take part in Eurovision exchanges; only Iceland, cut off by the sea, and the Members in the Eastern Mediterranean are still "isolated". Investigations into the possibilities of using a satellite system, to replace the international junctions of the terrestrial network are continuing, but, in view of extremely far-reaching technical and financial problems of both the satellite and the many Earth-stations that would be needed, this is still far from being put into effect. One of the advantages of a satellite system would be the possibility of immediately extending the Eurovision facilities to countries for which the installation of a terrestrial link would be very difficult or even impossible. The near future, however, will require a more intensive use of the existing facilities, for example, a second Daily News Exchange will be introduced from 1st January, 1968, and in this context the lease of a nucleus of terrestrial international vision circuits, to cover the period until a satellite system could be utilised, is being investigated. The Permanent Sound Network continues to be heavily used, and the conference network has been extended to Madrid.

The plans of the E.B.U. Operation Group are already well advanced for the distribution in Europe of the television coverage — probably in colour — of the 1968 Olympic Games in Mexico.

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# INTER-CONTINENTAL TELEVISION PROGRESS 1967-FUTURE 1968

*By Edgar T. Martin, Engineering Manager and George Jacobs, Chief Frequency Division Voice of American, U.S. Information Agency, Washington, D.C. 20547.*

What was perhaps the most exciting intercontinental television event of 1967 took place on June 25, which was designated as "World Television Day" To mark this event, broadcasting organisations on four continents joined forces for an imposing technological feat that enabled millions of viewers in more than 22 countries to see simultaneously a special two-hour television program aptly titled "Our World". The program was live in its entirety, without the insertion of tape or film prepared in advance.

Four communication satellites, two over the Atlantic and two over the Pacific, provided an unprecedented link-up between the widely separated points on the globe participating in the program. Portions of the "Our World" program originating in Japan and Australia were relayed to the state of Washington in the USA through an INTELSAT satellite and the NASA ATS-I satellite, both in stationary orbits over the Pacific Ocean. From Washington the programs were transmitted by microwave to a central control point in New York City.

A master control center in the London headquarters of BBC television and a sub-control center in New York City were responsible for weaving the various sequences into the final product. Program sequences originated in Japan, Australia, Canada, Mexico and the United States were directed to the New York control point, from where they were flashed to London via two INTELSAT satellites in stationary orbit over the Atlantic. Also fed into London, over the Eurovision network, were sequences originating in European cities. From London, the finished product was directed along these same land network and through the four satellites to each participating country — live and instantaneously!

At London, sound tracks in English, French and German were added to the video sequences. Other languages, as required, were added as the program was received at participating countries.

The "Our World" program opened with glimpses of babies newly born in Japan, Denmark, Mexico City and Canada. It went on to review efforts to increase the world's food supply with live shots from farms in the USA, Australia and Japan. It showed how housing problems are being solved in Canada, New York and Scotland. There were examples of sporting events and adventure from Canada, France, New York and Italy.

Perhaps one of the most rewarding sequences of the "Our World" program was the sampling of the arts — a rehearsal of "Lohengrin" from the Bayreuth Festival, Franco Zeffirelli rehearsing a scene during the filming in Italy of "Romeo and Juliet", Leonard Bernstein and Van Cliburn rehearsing at the Lincoln Center in New York and Joan Miro and Marc Chagall at work in their studios in France.

The program spanned the zones of time. Simultaneously viewers saw glimpses of European cities on a Sunday evening; a Sunday afternoon crowd of well wishers massed outside the Victorian mansion in Glassboro, New Jersey, where President Johnson and Premier Kosygin were discussing world problems; flower-bedeckled Vancouver awakening on a Sunday morning; and Australians going about their business on a Monday afternoon!

The linking of Australia to North America and Europe was perhaps the most vivid accomplishment. Despite the huge geographical separation the images from Down Under were of studio quality and viewers were treated to an interesting discussion of man's conquest of space given live from the Parkes Radio Telescope Observatory by a leading Australian scientist.

*(continued page 34)*

GEORGE JACOBS

George Jacobs was born on July 16, 1924, in New York City. He received his B.E.E. degree from Pratt Institute, Brooklyn, N.Y. and his M.S.E.E. degree from the University of Maryland in 1960.

Mr. Jacobs is a representative of the Interdepartment Radio Advisory Committee (IRAC) and several other policy-level U.S. Government committees in the field of telecommunications. He has served as a delegate to several international broadcasting and telecommunication conferences, including the 1959 ITU Administrative Radio Conference, where he was the U.S. spokesman for high frequency broadcasting.

Most recently he attended the ITU's International Space Communication Conference and the Eleventh Plenary Assembly of the International Radio Consultative Committee (CCIR). Mr. Jacobs was the U.S. Delegation's spokesman for satellite broadcasting at both conferences.

Mr. Jacobs is a Senior Member of the IEEE, a member of URSI, and a registered Professional Engineer in the District of Columbia.

EDGAR T. MARTIN

Edgar T. Martin was born on May 1, 1918, in Princetown, West Virginia. He received his B.S.E.E. in 1938 and his M.S.E.E. in 1953, both from Virginia Polytechnic Institute. He also holds an M.A. in Government from American University, conferred in 1957 and an LL.B. from George Washington University. In 1959, he earned his LL.M. from Georgetown University.

He is a registered Professional Engineer in Virginia and the District of Columbia, and he is also a member of the Virginia Bar. He has attended more than a dozen major international conferences dealing with broadcasting and telecommunications, and was a delegate to the ITU's Administrative Radio Conference held in Geneva.

(Left) Edgar T. Martin, Engineering Manager, Voice of America. (Right) George Jacobs, Chief, Frequency Division, Voice of America.

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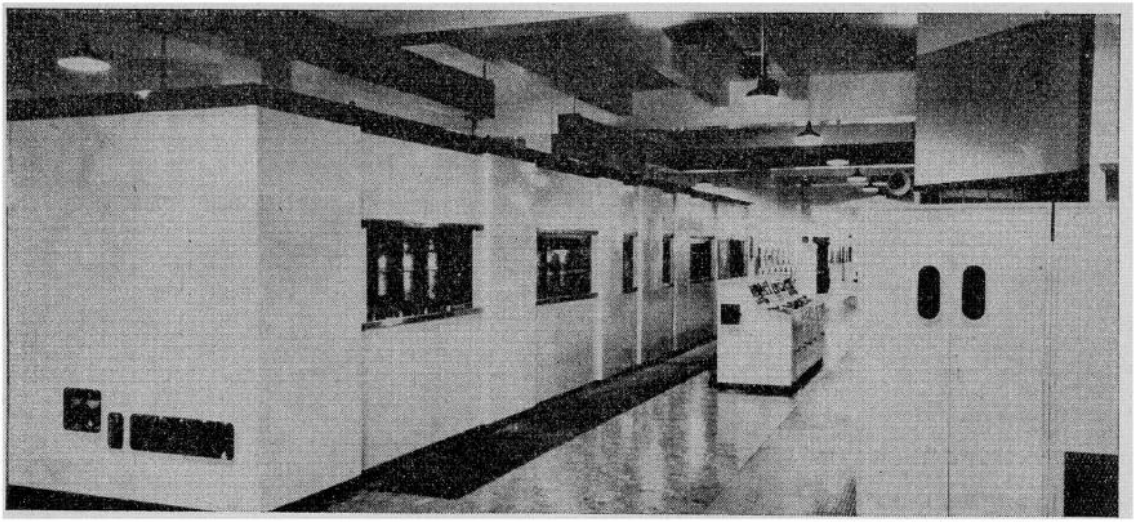

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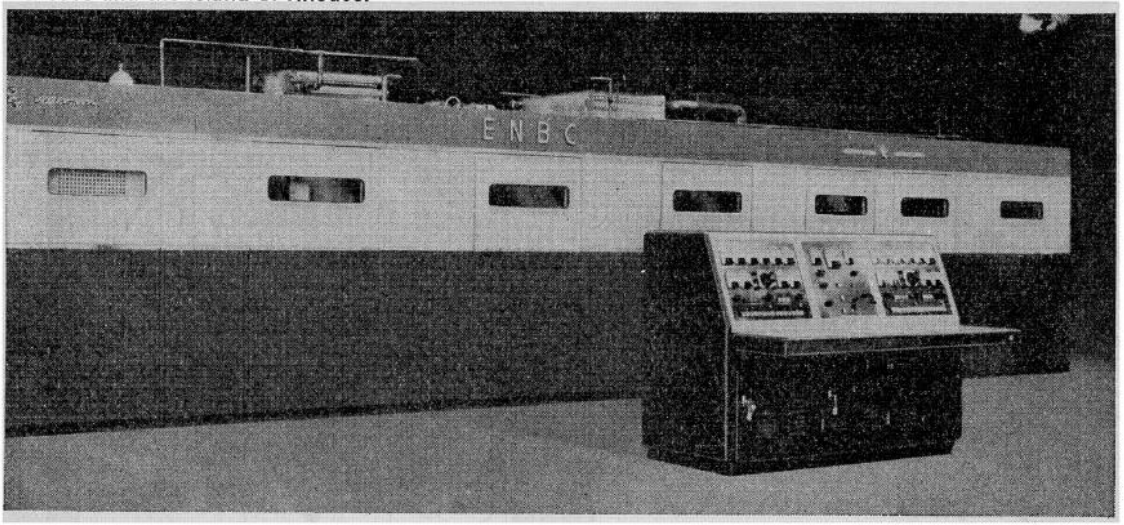


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*(continued from page 32)*

The "Our World" program was the realization of a suggestion first made by Mr. Aubrey Singer of the BBC. At the successful conclusion of the program Mr. Singer described aptly its importance in the following words: "We have realized through the miracle of television that it is now possible to help each person around the world to know his neighbor a little better, and to understand in the long run that we are all brothers".

Another "Our World" program is planned for 1968 but its date has not yet been announced. It is hoped that the 1968 program will be extended to an additional number of countries through the use of the MOLNIA satellites and the Intervision Network of Eastern Europe.

In addition to the "Our World" program, INTELSAT satellites were used for the intercontinental relay of 325 individual television programs during 1967, for a total of 210 hours. Highlighting these programs were the visit of Pope Paul to Fatima; the Johnson-Kosygin meetings at Glassboro; the Middle East debate at the UN; the Konrad Adenauer funeral; the visit of President Saragat of Italy to the White House and to EXPO-67; the Indianapolis Speedway auto race; and in color, the U.S. Open Golf Tournament.

The International Telecommunication Consortium (INTELSAT), the world partnership to build, own and operate a single global commercial communication satellite system at the earliest practical date, continued to grow during 1967. The number of countries participating in INTELSAT grew from 53 at the close of 1966 to 58 by the end of 1967. The following countries are presently participants in the INTELSAT effort and several others are expected to join during 1968: Algeria, Argentina, Australia, Austria, Belgium, Brazil, Canada, Ceylon, Chile, China (Rep.), Colombia, Denmark, Ethiopia, France, Germany (Fed. Rep.), Greece, India, Indonesia, Iraq, Ireland, Israel, Italy, Japan, Jordan, Korea, Kuwait, Lichtenstein, Libya, Lebanon, Malaysia, Mexico, Morocco, Monaco, the Netherlands, New Zealand, Nigeria, Norway, Pakistan, Peru, Philippines, Portugal, Saudi Arabia, Singapore, South Africa, Spain, Sudan, Sweden, Switzerland, Syria, Tanzania, Thailand, Tunisia, United Arab Republic, United Kingdom, United States of America, Vatican City, Venezuela and Yemen.

Satellites in the INTELSAT system are paid for and owned on a proportional basis by each member of the Consortium. The Communication Satellite Corporation (COMSAT) represents the USA on INTELSAT and acts as manager on behalf of the 58-nation Consortium. By the end of 1967 four INTELSAT satellites were in commercial operation, two over the Atlantic and two over the Pacific Ocean. A fifth INTELSAT satellite, launched over the Pacific, is not commercially operational because of a faulty orbit.

Planning for the expansion of its globe-girdling commercial communication satellite system, INTELSAT has under construction four huge satellites each containing 1200 telephone channels and capable of simultaneous transmission of at least two television

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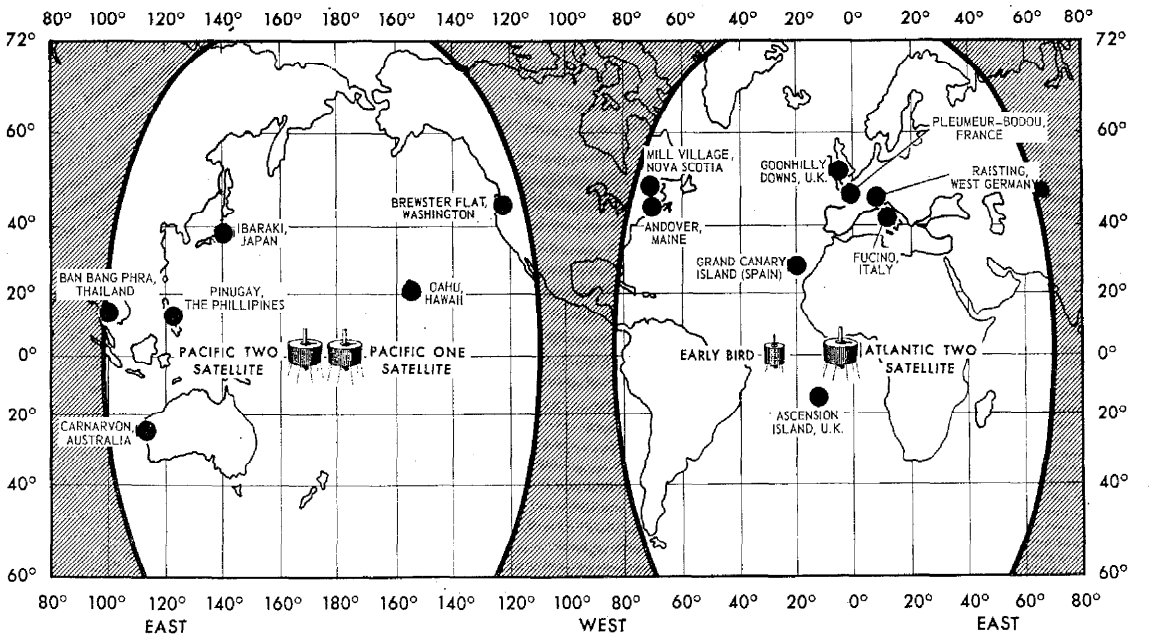
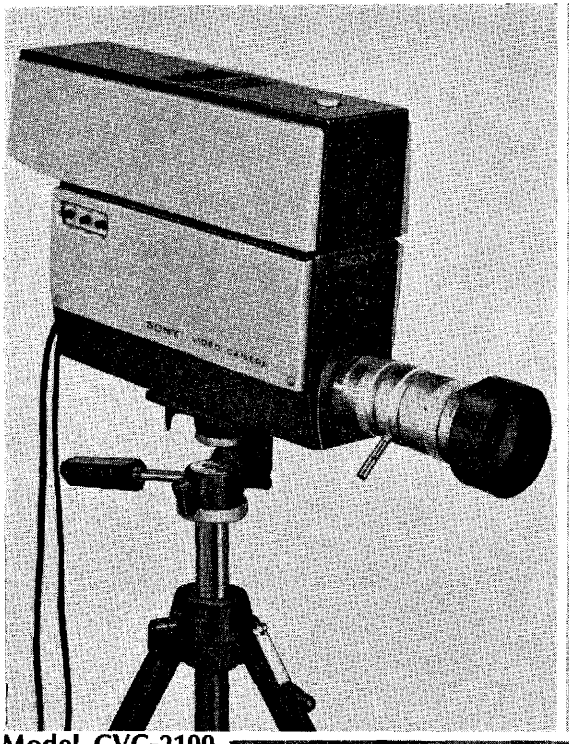



Two INTELSAT satellites over the Atlantic Ocean and another two over the Pacific made commercial satellite communications available to more than two-thirds of the world during 1967. New and more powerful satellites to be launched in 1968 will make global coverage a reality.



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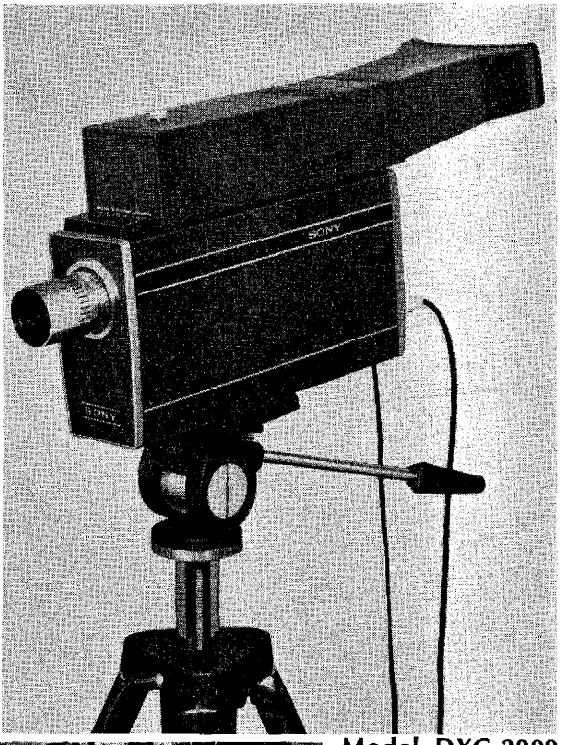

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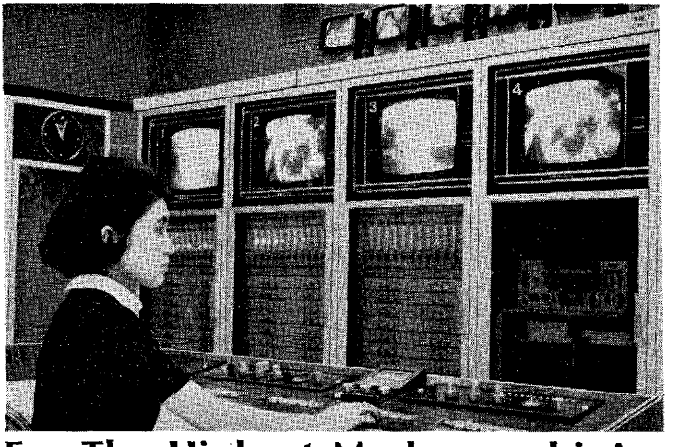

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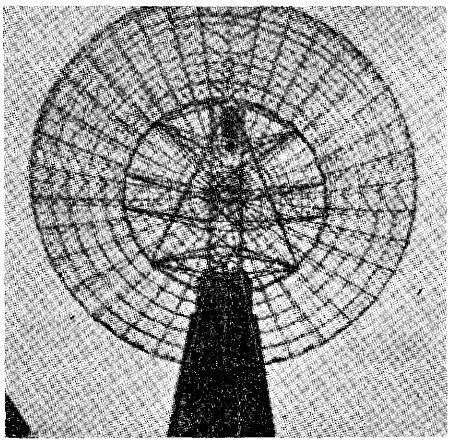

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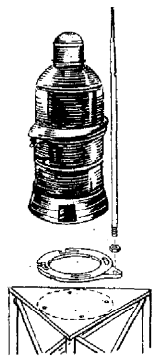

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**Intercontinental Television** *(continued from page 34)*

relays. It is planned to orbit two of these satellites over the Atlantic Ocean, one over the Pacific and the other over the Indian Ocean during 1968.

By the end of 1967 there were a total of 14 permanent earth stations in operation in the INTELSAT system in the following countries: three in the United States, two in Spain, two in Italy, two in the United Kingdom, and one each in Canada, Australia, Japan, France and Germany. There were also temporary stations in operation in the Philippines and Thailand. During 1968 three new earth stations are planned for the United States, and one each for Canada, Japan, Panama, Brazil, Chile, Ecuador, Mexico, Venezuela, Bahrain, Hong Kong, Indonesia, Philippines and Thailand.

By the end of 1968 President Kennedy's dream of a global commercial communication satellite system in which the entire world would participate and from which all mankind would benefit should be very close to realization.

Another significant step in the development of intercontinental television took place during 1967 with the launching by the Soviet Union of another MOLNIA communication satellite. This was the fifth satellite launched in the MOLNIA series of which at least three are reported to be in operation. It has also been reported that during 1967 the Soviet Union had completed a domestic satellite television network using the MOLNIA satellites and 20 miniature earth relay stations (called orbit stations) to link its vast eastern provinces with Moscow. The system is primarily intended to bring Moscow telecasts to residents in Siberia and the Soviet Far East over distances up to 6000 miles according to Soviet announcements. Moscow television broadcasts are beamed to the MOLNIA satellites which relay them to the orbit mini-stations from where they are distributed through conventional television facilities to the viewer.

While the development of a direct broadcasting satellite is under active study by the world's experts there are a number of complex problems remaining to be solved before it can become a reality. The problems of using satellites for broadcasting radio and television programs directly to home receivers will be given serious consideration at an interim meeting of the International Radio Consultative Committee (CCIR) scheduled to be held in Madrid during the spring of 1968.

During 1967 INTELSAT satellites forged a television link which spanned four continents. During 1968 the link is expected to be strengthened with its expansion to a large number of additional countries. During 1968, more people in more parts of the world will, to repeat the words of Mr. Aubrey Singer, get to know his neighbor a little better and to understand, in the long run, that we are all brothers.

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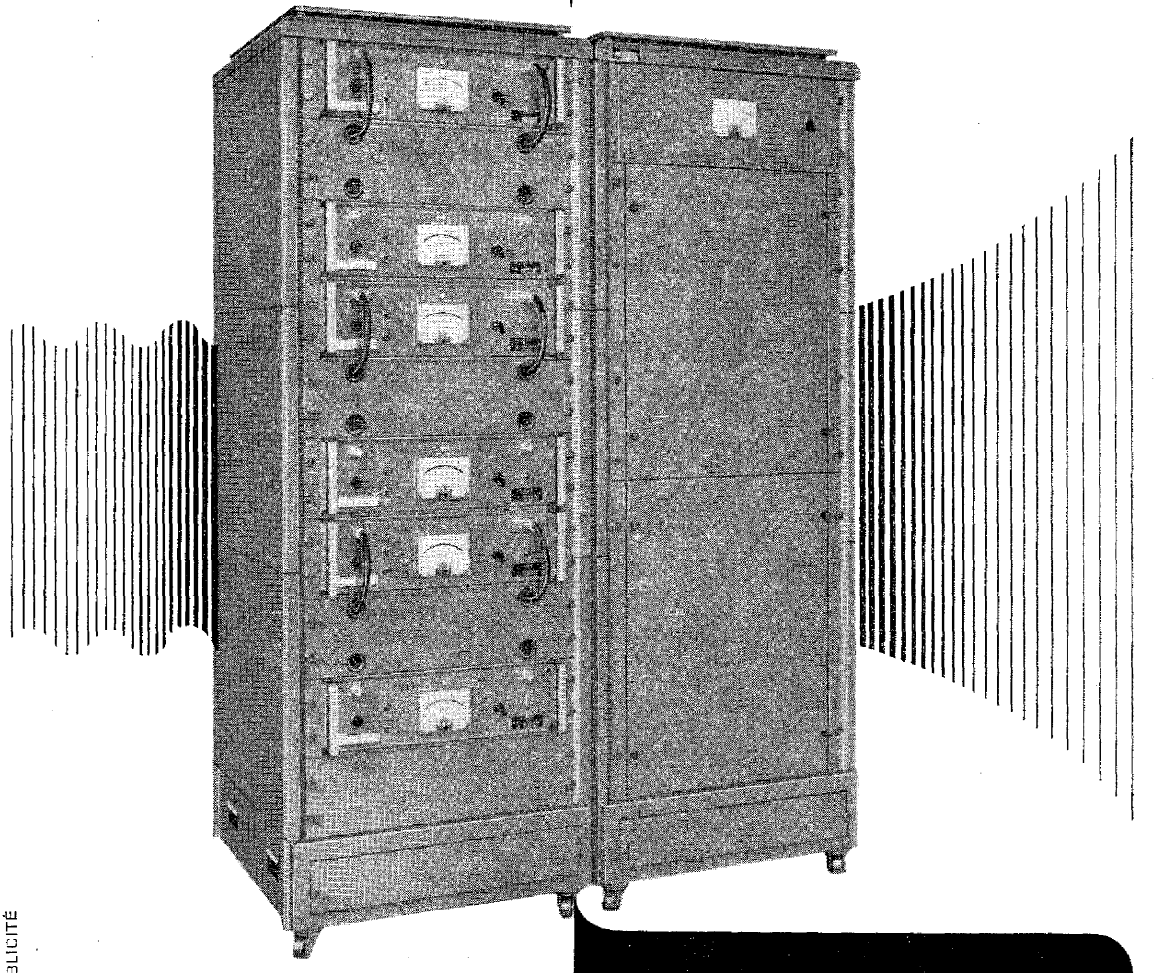

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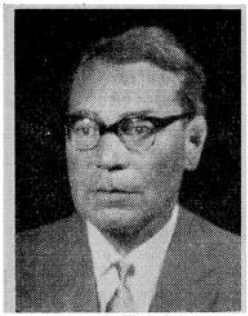

Prof. Dr. M. Waldmeier

While in 1966 solar activity was still at a low level, it became wholly developed in 1967. The most steep increase in sunspot-numbers occurred at the beginning of the year, when the monthly mean of the observed sunspot-numbers jumped from 70 in December 1966 to 108 in January 1967. It remained high for the first quarter and dropped strongly in the second according to the following monthly sunspot-relative-numbers:

| Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
|---|---|---|---|---|---|---|---|
| 108 | 92 | 108 | 65 | 82 | 63 | 88 | 99 |

After the deep secondary minimum in June solar activity resumed its ascend that will lead to the maximum in 1968. Strong month-to-month fluctuations as in the first half of 1967 are not unusual. As the mechanism of the spot formation is but badly understood, short-term variations in the solar activity are not predictable. By smoothing out these fluctuations one gets a simple curve with a more or less uniform ascend before and a regular descend after the maximum. It is only the general run of these smoothed curves that can be predicted with fair reliability. Even the curves of the smoothed sunspot-numbers show strong variations from one cycle to the next. The smoothed sunspot-number at solar maximum may be as low as 50 and as high as 200; its mean value is around 100. Therefore sunspot predictions are not trivial at all, but have to be based on some regularities that came out of the long series of sunspot-numbers that covers more than 200 years. These regularities are contained in the sunspot curves given in Fig. 1 of the last year's report (WRTH 1967, p. 40).

As the cycle is proceeding, improved predictions of its remaining part can be given. Last year we had given for the highest smoothed sunspot-number $^{R}M = 110$ and for the time of the maximum 1968.4. During 1967 solar activity was rising a little steeper than expected so $^{R}M$ will reach a higher value, 120 rather than 110. This would shift the time of maximum to 1968.3. The mean yearly sunspot-number for 1964 was 10.2, for 1965 15.1 and for 1966 47.0. For the running year it will be around 93 and for 1968 about 115. During the maximum year the smoothed sunspot-relative-numbers will vary but to a little degree. They will rise from about 114 at the beginning of 1968 to its maximum of 120 and then drop to about 110 at the end of the year. In any case solar activity in 1968 will be very similar to that in the maximum year 1937. In that year the mean sunspot number was 114 and $^{R}M$ amounted to 119. Therefore conditions of short wave communications in 1968 will be the same as in 1937.

As in the past years, the daily relative-numbers for the expired month as well as predictions for the coming six months are emitted by the Swiss Short-wave Service. At present this information is emitted according to the following time-table:

| Destination of Emission | Time of Emission 1) | | Wavelengths in Metres |
|---|---|---|---|
| **English Emissions:** | | | |
| Europe | 08.20 | GMT * | 48.66 31.46 |
| United Kingdom, Ireland | 12.20 | GMT * | 31.04 25.28 |
| | 20.05 | GMT * | 49.02 31.46 25.61 |
| North America I | 09.35 | p.m. EST * | |
| North America II | 10.20 | p.m. PST * | 30.94 25.61 |
| Australia, N. Zealand | 08.20 | GMT * | 31.28 25.48 16.77 |
| Japan, S.E. Asia, India, Pakistan | 14.20 | GMT * | 19.69 16.88 13.94 |
| Near & Middle East | 16.20 | GMT * | 19.60 16.83 13.93 |
| Africa | 10.20 | GMT * | 19.60 16.83 13.94 |
| **Spanish Emissions:** | | | |
| Spain I | 14.55 | GMT * | 31.04 25.28 |
| Spain II | 22.25 | GMT * | 31.04 25.28 |
| South America | 01.10 | GMT** | 31.46 25.48 19.60 16.83 |
| Central America | 04.25 | GMT** | 31.46 30.94 25.61 |

**1) Dates of Emission:**

| | | |
|---|---|---|
| *) Saturday, | January | 6th, 1968 |
| ,, | February | 10th, 1968 |
| ,, | March | 9th, 1968 |
| ,, | April | 6th, 1968 |
| ,, | May | 4th, 1968 |
| ,, | June | 8th, 1968 |
| ,, | July | 6th, 1968 |
| ,, | August | 10th, 1968 |
| ,, | September | 7th, 1968 |
| ,, | October | 5th, 1968 |
| ,, | November | 9th, 1968 |
| ,, | December | 7th, 1968 |

**) Emission on Sunday, reception on Saturday.


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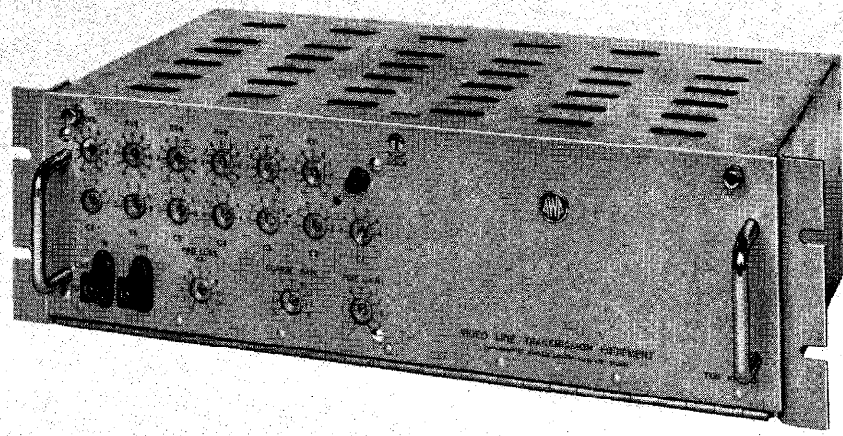

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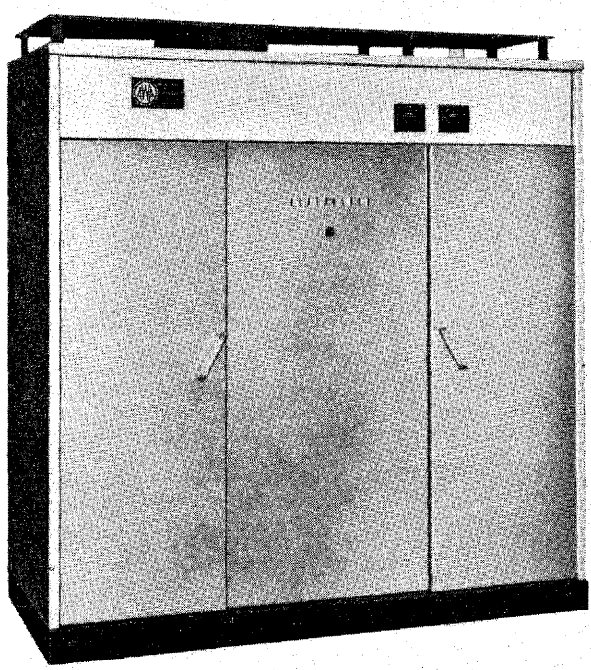

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# THE EUROPEAN DX COUNCIL 1967

by Claës-W. Englund, Jur.kand., Secretary-General of the European DX Council, Uddevalla, Sweden.

Claës-W. Englund

Each year the WRTH publish a list of the DX clubs of the world. It is only an enumaration of the names and addresses of the DX-clubs concerned. But it is, however, that kind of information that is so valuable to the DX-ers and the DX club leaders. One of the facts picked out from the list in the WRTH, tells us that there are more than 80 DX-and SWL clubs in about 15 European countries. From this remarkable fact, the idea came up of establishing an EUROPEAN DX COUNCIL.

Until now there have been few opportunities to cooperate with DX-organisations abroad. To stimulate a close contact between the DX-clubs in Europe, the DX-Listeners Club in Norway sent out an invitation to establish an EUROPEAN DX COUNCIL in March 1966. This invitation caused positive reactions from Austria, Denmark, Finland, Great Britain, Holland, Ireland, Portugal and Sweden. A preliminary committee, consisting of DX-leaders from Denmark, Finland, Holland, Norway and Sweden with Mr. Ellman Ellingsen, Norway, as the secretary. was established at the 1966 DX Parliament at Skövde, Sweden.

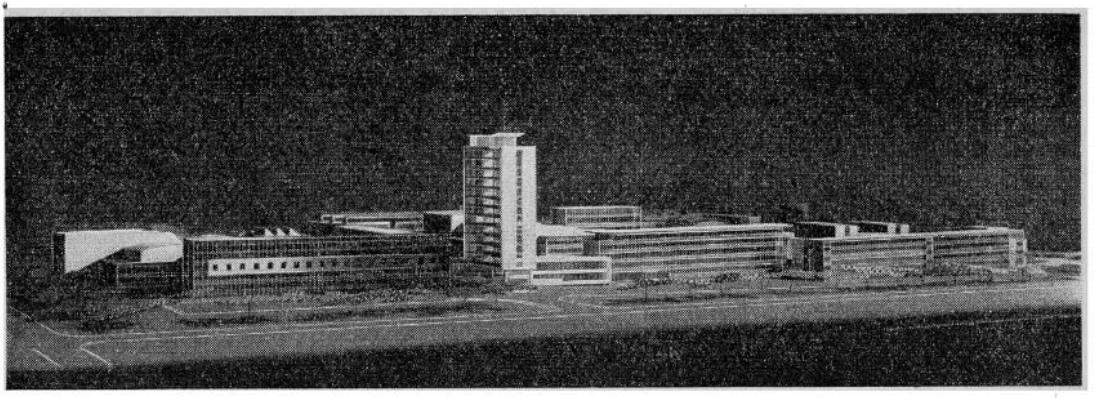
In April 1967 the preliminary committee published its final proposal and invited all European countries to send representatives to a meeting in Copenhagen, June 3-4, 1967. At this meeting Denmark, Germany, Holland, Norway and Sweden were officially represented and decided the foundation of the EUROPEAN DX COUNCIL, an organisation for DX-listeners Clubs in Europe.

The EUROPEAN DX COUNCIL will discuss DX-matters of common interest and make their achievements public in the form of recommendations. The aims of the Council shall be:

1) To promoted cooperation and goodwill between European DX-listeners and between European DX-organisations,
2) To achieve common objectives in the field of DX-ing,
3) To stay in close contact with other DX-organisations throughout the world, and
4) To improve contacts between DX-listeners and radio stations.

The members of the EUROPEAN DX COUNCIL are European countries and the DX-organisations of these countries choose their representatives to the Council, one from each country. Various Working Committees will be established, consisting of representatives of the Council with other DX-experts as consultative members.

*(continued page 41)*



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Four Working Committees have already been established:

A. **Reception Report Committee:** state common demands to a listeners reception report as given by radio stations, and approve the report forms produced by the DX-Clubs.

B. **Landlist Committee:** define DX-countries and thereby make a common DX-landlist.

C. **Contest Committee:** make standard rules for DX-contests and coordinate international contest and special programmes.

D. **Information Committee:** diffuse the knowledge about the DX hobby to other persons, organisations, radio firms, radio stations, etc.

The Council shall be political independent. Any organisation connected with the DX-hobby may have the opportunity to become an observer in the Council. In the event of a conflict between DX-organisations, the Council may act as arbitrator, if called upon by the parties concerned.

All European countries are invited to take part in this organisation in accordance with its Statute. Copies of this and other information of the EUROPEAN DX COUNCIL may be obtained from the Secretary-General, Mr. Claës-V. Englund, EUROPEAN DX COUNCIL, Klippgatan 1/419, Uddevalla, Sweden.

I believe that for the further development of the DX-hobby and the realisation of international understanding in the field of DX-ing, cooperation between European DX-listeners is vital and I am convinced that this can be achieved by closer unity between all like-minded DX-listeners in Europe. The new EUROPEAN DX COUNCIL will, I believe, prove to be a valuable initiative for the DX listeners and DX organisations in Europe.

**DX-Alliansen, Box 3108, Stockholm 3, Sweden.**

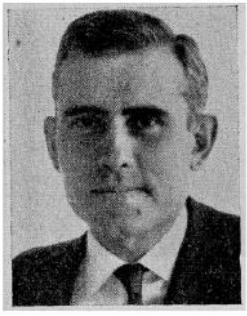
DX-Alliansen is an organisation founded ten years ago by the Swedish DX-Clubs, governed and controlled by them. There has always been comparatively many DX-clubs in Sweden and, of course, they have much in common. The purpose of DX-Alliansen is to serve the clubs in respect to all common interests and problems, to represent them in Sweden and internationally. The interest for DX-Alliansen among the clubs has on the whole always been at a high level. One of the main reasons for this is probably the yearly **DX-Parliament**, a gathering in which clubs and DX-ers are taking part together with for every year a rising amount of representatives of radio stations and radio organisations in Europe. In 1968 the DX-Parliament will take place in Norrköping, June 7-9. Please write us, if you are interested to take part.

**DX-Alliansen** publishes monthly a bulletin, Allians-Nytt. An English edition is published several times a year, and is distributed by Radio Sweden's DX-bulletin. DX-Alliansen also has a special, very nice, DX-badge for different numbers of verified countries.

**DX-Alliansen** appreciates correspondence with foreign DX-clubs to exchange views and to discuss common problems. We are proud to say that we are taking an active part in *European DX-Council*.

# THE INTERNATIONAL FREQUENCY REGISTRATION BOARD (I.F.R.B.)

*by Reginald Smith, Planning Department of the Board*



*Reginald Smith*

In order to appreciate fully the sense of the work of the I.F.R.B., it is necessary to look back some forty years to the beginnings of international frequency notification. Radio had made considerable strides in the mid-twenties, and the short-wave bands (which we now prefer to call the high frequency bands) were being opened up. There was a marked rise in the number of transmitters of all services and it became necessary to have some form of reference document which showed the frequencies and main technical characteristics of all radio stations.

In 1927 a conference was held in Washington to discuss problems of radiocommunications. One of the decisions of this conference was that the Administrations of Member Countries of the then International Telegraph Union (now International Telecommunication Union) should notify the frequencies and characteristics of stations under their jurisdiction to the Secretariat of the Union.

Due to the vast increase in the use of radio which took place in the years between 1939 and 1945 it was essential to go a step further in the development of effective international means for managing the radio frequency spectrum. An impartial body was required to examine the technical characteristics of new stations as they are notified and to determine whether such stations are likely to cause harmful interference to already existing ones.

The Administrative Radio Conference which took place in Atlantic City in 1947 therefore decided to set up the International Frequency Registration Board (I.F.R.B.).

The Members of the Board serve, in the words of the Convention of the I.T.U. ". . . . not as representatives of their respective countries, or of a region, but as custodians of an international public trust". The Board is assisted by an internationally recruited technical secretariat.

As already mentioned, the principal tool for maintaining order in the radio frequency spectrum is a central file on which appear the essential details (frequency, power, etc.) of radio stations throughout the world. Without such a file, Administrations would, when planning new radio transmissions, have insurmountable difficulties finding out with whom they might interfere or who might interfere with them. Consequently, they could not plan their operations.

To an outsider, there may not appear to be anything particularly difficult about keeping such a file in good order when he reads that, according to the Convention of the International Telecommunication Union, the I.F.R.B.'s first essential duty is "to effect the orderly recording of frequency assignments . . . . ". In practice, though, this is a task of considerable magnitude and complication.

The Master International Frequency Register (M.I.F.R.), as this central file is called, contains all the frequency assignments throughout the whole world which have been notified to the Board for the frequency range from 10 kc/s to 40 Gc/s (40,000 Mc/s). Some idea of its size may be gathered from the fact that the International Frenquency List, which is printed periodically from this file, takes up four volumes, totalling more than 4,500 pages of 154 lines each.

In an average month, the Board receives approximately 3,000 notifications of changes to the Register. These concern either new transmissions or modifications of existing transmissions. The way these notifications are handled depends upon the frequency band, the service of the station and possibly the part of the world in which the station is located.

About two-thirds of the notifications are such that they do not imply a likelihood of harmful interference resulting from the Administrations putting into service the proposed change. For the remaining third, a complete set of calculations (called technical examination) is made to determine their effect on existing transmissions already recorded in the Master International Frequency Register. If there is a likelihood that harmful interference will occur, the notifying Administration is informed of this and the frequency assignment notice is returned to it without an entry being made for it in the M.I.F.R.

The complexity of the task is apparent when one realizes that these calculations differ according to the service. Fixed, aeronautical mobile, maritime mobile and broadcasting all have to be treated differently, not to speak of such recent services as space communications. Yet, keeping the Master International Frequency Register is only one of the tasks of the Board. It has a number of other important duties, one of which is of special interest to the readers of the World Radio TV Handbook.

This concerns the "Procedure for the Bands Allocated Exclusively to the Broadcasting Service between 5,950 and 26,100 kc/s". In other words, the Short Wave Broadcasting bands.

This procedure came into being when it was realized that it would not be possible to prepare long-term frequency assignment plans for the high frequency broadcasting service. This was so because there were simply not enough frequencies available to provide each nation with a sufficiently large selection to enable it to cover all the directions and times of day for which it might be desirable to operate services in the future.

Instead, it was decided that Administrations should notify only those frequencies, the use of which was foreseen in the immediate future. It was furthermore decided that this information should be circulated to all Administrations as quickly as possible so that they might take note of any incompatibilities which could arise between their own assignments and



*(continued page 44)*

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(continued from page 42)
those of other Administrations, thus enabling the necessary changes to be made before the new transmission actually came into service.

As radio propagation conditions vary from season to season the year has been divided into four parts:

1) March and April
2) May, June, July and August
3) September and October
4) November, December, January and February.

Administrations notify their planned high frequency broadcasting transmissions for each one of these seasonal propagation periods in advance. The I.F.R.B. processes this information and produces a document called the "Tentative High Frequency Broadcasting Schedule". Apart from showing the frequency power, directivity, transmitting antenna gain and planned reception areas for each transmission, it also shows the time of operation in graphical form. The Board indicates on the Tentative Schedule the incompatibilities occurring between notified assignments.

The Tentative Schedule is sent to Administrations two months before the commencing date of the period. This gives Administrations enough time to send their modifications to the Board and for it, in turn, to inform all other Administrations of the changes made. Changes made during the application of a Tentative Schedule are reported to Administrations weekly.

Some readers may have noticed when the changeover takes place from one Tentative Schedule to another. It is the first Sunday of the first month of the period concerned and the time of implementation for a new schedule is 0100 GMT.

Since this procedure has been applied, conditions in the high frequency broadcasting bands have improved markedly and this in spite of the rising number of stations. The procedure has led to coordination between various Administrations so much so that the frequency assignments which are notified by the Administrations concerned will not interfere with one another.

A striking effect of the procedure has been the progressive alignment of transmitting frequencies on to frequencies, the units position of which are either zero or five. This has resulted in a marked reduction of the number of annoying hetrodyne whistles encountered in the bands. A comparison of the frequency bands concerned in the table "Short Wave Stations of the World" in the World Radio Handbook for 1960 and the World Radio TV Handbook for 1967 shows this improvement clearly.

Another very important thing which the Article 10 procedure has rendered possible is that the new and developing countries have been able to find frequencies in the high frequency broadcasting bands for their transmissions. If there had been a rigid frequency assignment plan for the High Frequency Broadcasting Service, it would have been necessary to change this plan completely to accommodate the requirements of these countries, something which would have been difficult and costly because major changes to frequency assignment plans can only be made by specially called conferences.

The Board also deals with other matters concerning broadcasting. Board members have attended broadcasting frequency planning conferences since the inception of the Board, giving advice on regulatory matters. More recently the Board has made substantial contributions to the technical preparation of such conferences. Among these special mention should be made of the broadcasting frequency assignment planning conferences for Africa. The first in 1963 was concerned with television and F.M. sound broadcasting and the second in 1966 with low and medium frequency broadcasting. The 1963 conference was the first ever to make extensive use of an electronic computer for all technical calculations.

One could go on enumerating the various aspects of the Board's work which are connected in some way with broadcasting, but there is one without which a description of the work of the Board would be incomplete. It is technical monitoring.

The I.F.R.B. centralizes technical monitoring data received from monitoring stations throughout the world. This work is at present divided into two parts:

a) all transmissions observed between 2850 and 28,000 kc/s except high frequency broadcasting stations, mobile stations and amateur stations,
b) high frequency broadcasting stations.

These two sets of information are published periodically in the form of summaries. The first set is published monthly while the special high frequency broadcasting monitoring data is published six times a year.

It is hoped that the readers of the World Radio TV Handbook will have gained an insight into the work of the I.F.R.B. and the part it is playing in helping to improve listening conditions throughout the world. Obviously much still remains to be done, but like most things, it is the slow and steady progress which brings about the great improvements and it is in this spirit that the Board perseveres in its daily work.

**ATTENTION** all **RADIO STATIONS**

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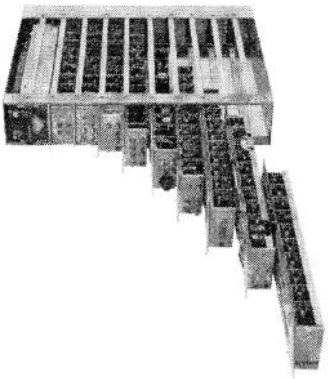

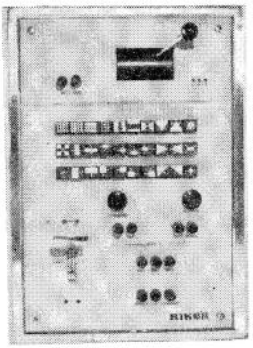

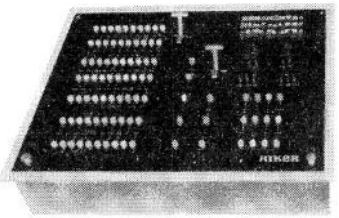

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# RADIO BROADCAST RECEPTION CONDITIONS EXPECTED DURING 1968

*by George Jacobs, Chief, Frequency Division, Voice of American, U.S. Information Agency, Washington, D.C. 20547*

By international agreement, broadcasting stations are allocated the following specific bands in the radio spectrum:

| LONG WAVE (Low Frequency) | | MEDIUM WAVE (Medium Frequency) | |
|---|---|---|---|
| **Kilocycles** | **Meters** | **Kilocycles** | **Meters** |
| 150-285 | 1053-2000 | 525-1605 | 187-571 |

**SHORT WAVE**
Tropical Broadcasting Bands

| Kcs. | Megacycle Band | Meter Band |
|---|---|---|
| 2300-2495 | 2 | 120 |
| 3200-3400 | 3 | 90 |
| 4750-5060 | 4 | 60 |

**HIGH FREQUENCY BROADCASTING BAND**

| Kcs. | Megacycle Band | Meter Band |
|---|---|---|
| 3900- 4000 | 3.9 | 75 |
| 5950- 6200 | 6 | 49 |
| 7100- 7300 | 7 | 41 |
| 9500- 9775 | 9 | 31 |
| 11700-11975 | 11 | 25 |
| 15100-15450 | 15 | 19 |
| 17700-17900 | 17 | 16 |
| 21450-21750 | 21 | 13 |
| 25600-26100 | 25 | 11 |

While the majority of the world's broadcasting stations operate within these bands, some operate outside. Most out-of-band operations, however, take place on frenquencies adjacent to, or on the edge of the bands allocated for broadcasting.

The Long-Wave band (used in Europe) and the Medium-Wave Band (used worldwide) while allocated mainly for domestic broadcasting, are used also for some international broadcasting to adjacent countries. Although long and medium-wave stations are normally heard only for moderate distances, long-distance reception is possible over dark transmission paths, mainly during the fall, winter and spring months in the reception area.

The Tropical Broadcasting Bands are assigned for use for domestic broadcasting in tropical areas, where high atmospheric noise levels limit the service area of medium-wave stations. DX reception on these bands is best when the transmission path between the transmitter and receiver is all or mostly in darkness. These bands are used mainly by stations in Latin America, Africa, South and South-east Asia, and Oceania.

The High Frequency Broadcasting Bands, or short-wave bands as they are also called, between 3.9 and 26.1 megacycles (11 and 75 meters) are used for both international and domestic broadcasting. These bands are allocated for worldwide use, except that the 3.9 and 7 Mc bands are not allocated for broadcasting in the American area. Also, the 3.90 to 3.95 Mc portion of the 75 meter band is used only in Asia and Oceania.

Reception conditions on these bands vary according to the time of day and season of the year. Most of the international broadcasting stations make seasonal changes in frequency usage, mainly on the first Sunday of March, May, September and November. Changes may often be made at other times during the year, due to interference, change of program times, addition of new transmitters, etc. A large percentage of the domestic broadcasting stations operating in the high frequency bands do not make seasonal changes, but some, particularly the stations in India, Pakistan, USSR and South Africa, do make seasonal shifts.

Short-wave, long-distance medium, and long-wave broadcast reception is possible only because of the existence of an electrified region high in the earth's atmosphere. This region, electrified by nature, is called the **ionosphere.** It is the ionosphere, acting somewhat like a mirror, that reflects radio signals over great distances.

The ionosphere is believed to be caused, at least in part, by ultraviolet radiation given off by the sun. The amount of radiation illuminating the ionosphere varies hourly, seasonally and geographically, depending upon the relationship between the sun and the earth. Reception is usually better on the higher frequency bands (15, 17, 21 and 25 Mc) when the sun is more directly overhead or closer to the earth, for example, during the daylight hours, during the winter season, and in tropical or southern regions. Reception in the lower frequency bands (3.9, 6, 7, 9 and 11 Mc) is usually better when the sun is lower in the sky, or farther from the earth, for example, during the hours of darkness, during the summer season, and in temperate and northern geographical areas.

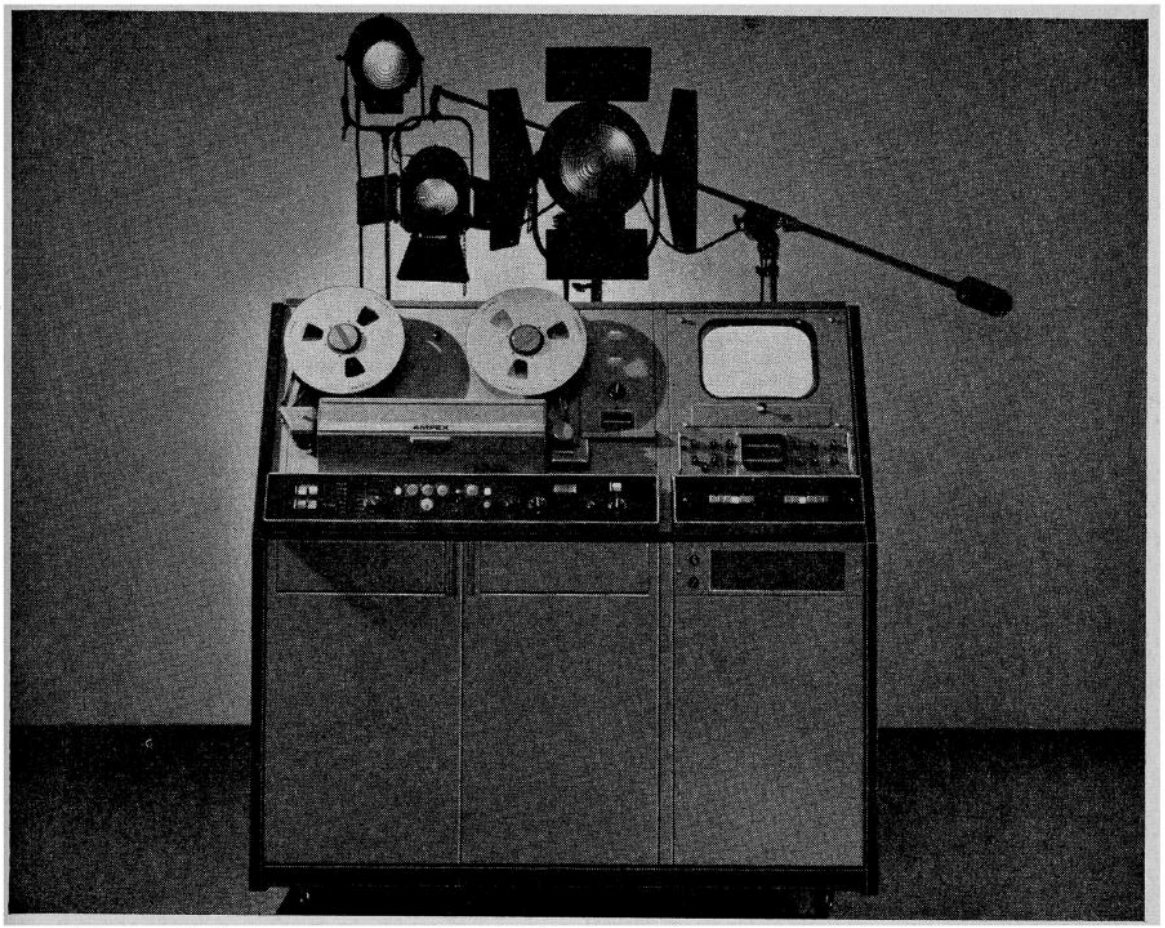
In addition to hourly, seasonal and geographical changes in reception conditions, there is a year-to-year change over an approximate 11-year cycle.

For reasons not yet fully understood by scientists, this 11 year cycle change appears to result from the difference in the number of sunspots appearing on the face of the sun. When the sun's surface is covered with a great number of spots, the ionosphere is electrically strong and long-distance radio reception is often at its best; when the number of sunspots diminishes, reception becomes poorer. During 1957-61, when the sunspot cycle was at or near its maximum, reception conditions were at their best. During the years 1963-66, there were few sunspots on the face of the sun, and reception conditions were considerably poorer.

A new sunspot cycle began during October, 1964, and the number of sunspots have been increasing steadily since then. According to daily observations of the sun made with powerful telescopes at the Zurich Solar Observatory, the present cycle which began with a sunspot number of 10 had risen to a level of approximately 100 by the end of 1967. Sunspot activity during 1968 is expected to climb well beyond 100, and may reach a level of 120 or more by the end of the year. This is a high level of solar activity, and should result in a noticeable improvement over last year in shortwave reception conditions, especially in the 11, 13, 16 and 19 meter bands.



*(continued page 48)*



# The video recorder that sets a new standard: The Ampex VR-2000

Ampex's Videotape Television Recorder, VR-2000 is expressly designed to operate on new high band standards.

It utilizes a new high band carrier/deviation frequency (7.16 to 9.3 mc), which permits a single standard for both colour and monochrome.

The VR-2000's performance specifications are impressive: a S/N ratio up to 46 db; basic frequency response to six megacycles; excellent transient response and virtually non-existent moire.

Performance is so good, in fact, that multiple generation copies made on the VR-2000 equal original tapes made on present equipment.

Although it possesses all this upper range ability, the VR-2000 is instantly switchable to present low band standards in either 625 or 525 lines. And for all its sophistication, it is the most reliable and easy to operate recorder ever built.

A complete line of VTR accessories is available now for the VR-2000: Intersync (standard on all VR-2000s); Amtec; Electronic Editor; Colortec; and Editec.

The VR-2000 and its accessories are products, not promises. The VR-2000 is presently in most of the world's television networks.

Write today for complete information.

**AMPEX**

*Videotape, Intersync, Amtec, Colortec and Editec are Trademarks of Ampex Corporation.*

**Ampex world headquarters is in Redwood City, California, and Ampex sales and service facilities are conveniently located in major cities throughout the world. For more information write to: Ampex Great Britain Ltd., Acre Road, Reading, Berkshire, England. Telephone: Reading 84411. Ampex S.A., Via Berna 2, Lugano, Switzerland. Telephone: 091/3.81.12. Ampex Europa G.m.b.H. Elbestrasse 1, Frankfurt/Main, Germany. Telephone: 252001-5. Ampex, 41 Avenue Bosquet, Paris 7e, France. Telephone: 705.38.10.**

(continued from page 46)

The following is a general summary of reception conditions expected on each short-wave broadcasting band during 1968:

**25 Mc band (11 meters)**

This is the year to have a receiver that tunes this band! Excellent reception conditions over very long distances is expected during the **daylight** hours from January through April, and again from September through the end of the year. Although reception is expected to fall off somewhat during May-August, good reception should be possible to many areas of the world even during these months. With improved reception conditions, a large number of international broadcast stations are planning to schedule transmissions in the 11 meter band, perhaps a greater number than ever before. If you own a receiver that tunes this band, you're in for some real surprises during 1968!

**21 Mc band (13 meters)**

Reception of exceptionally strong signals over distances of many thousands of miles, from all areas of the world should be possible during the daylight hours, or when it is daylight at one end of the path, and early evening at the other end. With the high level of sunspot activity predicted for 1968, almost all international broadcast organizations are planning to use this band throughout the year, and a very high level of congestion is expected.

**17 Mc band (16 meters)**

Excellent long-distance reception of stations from all areas of the world should be possible in this band throughout the year from shortly after dawn through the early evening hours. Almost all international broadcast organizations are planning to use this band during 1968, and a very high degree of congestion is expected.

**15 Mc band (19 meters)**

During 1968, propagation conditions in this band are expected to be excellent for the reception of both long-distance stations many thousands of miles away and stations from medium distances of several hundred, or a thousand miles away. The band is expected to be full of stations with exceptionally strong signals from shortly after sunrise, through the daylight hours and into the evening. During the spring and summer months, excellent reception may also be possible during the nighttime hours as well. Exceptionally long-distance reception is more likely to occur for a short period after sunrise, and again during the late afternoon and early evening hours. Medium-distance reception should be best during the late morning and early afternoon hours. With such favorable propagation conditions, and with so many stations planning to use this band, the congestion in the 19 meter band is expected to be greater than in any of the other short-wave broadcast bands.

**11 Mc band (25 meters)**

This is expected to be an excellent band for medium-distance reception during the hours of daylight. During this period, at any season of the year, exceptionally strong signals should be received from stations that are between approximately 500 and 2000 miles away (900 to 3400km). Long-distance reception from stations several thousand miles away should be possible for a short period after sunrise, and again during the late afternoon and early evening hours. During the summer months, both medium and long-distance reception should also be possible during the hours of darkness. Heavy congestion is expected in this band, especially during the late afternoon and early evening hours.

**9 Mc band (31 meters)**

This band is expected to be excellent for daytime reception over short-to-medium distances on the order of 400 to 1500 miles (700 to 2500 km). Fairly good long-distance reception, over many thousands of miles, should be possible throughout the year during the early evening hours, through the hours of darkness and until shortly after sunrise. Almost every short-wave broadcast organization is expected to use this band during 1968, and a high level of congestion is very likely to occur, especially during the early evening hours.

**7 and 6 Mc band (41 and 49 meters)**

Excellent short-range reception is expected on these bands during the daylight and early evening hours, for distances up to approximately 1000 miles (1650 km). During the fall, winter and early spring months, when static levels are low, fairly good medium and long-distance reception should be possible from shortly after sunset, through the hours of darkness and until shortly after sunrise. High static levels are expected to make long-distance reception somewhat difficult during the late spring and summer months. Fairly heavy congestion is expected in these bands, especially during the late afternoon and evening hours.

**4, 3 and 2 Mc bands (60, 90 and 120 meters)**

These bands are used mainly for short-distance reception. During the hours of daylight, stations within a radius of a few hundred miles should be heard well. After sunset, and throughout the hours of darkness, the reception range should increase to at least several hundred miles, and for the more powerful stations, to a thousand miles or more. During the summer months, high static levels are likely to make reception in these bands difficult at times.

For more specific reception information, please refer to the Table of the Most Suitable Meter Bands for 1968 (see page 56).


## We need *your* help

especially if you are an expert on Latin America and/or other continents.

The WRTH constantly invites assistance from experienced DX-ers with an expert knowledge of DX-ing on Latin America (and other continents) in order to procure supplementary information for use in the 1968 Summer Edition of the WRTH.

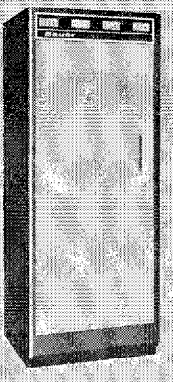
If you believe that you may be able to render us any assistance in this respect, please write further details.

J. M. Frost, Editor

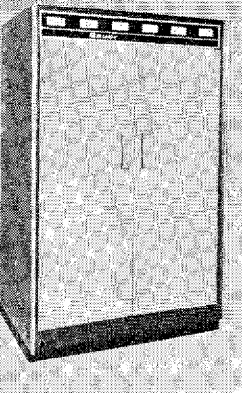
**WORLD RADIO TV HANDBOOK CO. LTD.**

Sundvej 6, Hellerup, Denmark

# BAUER TRANSMITTERS & AUDIO EQUIPMENT



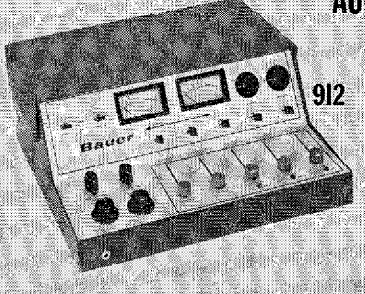
**1 KW AM & FM TRANSMITTERS**



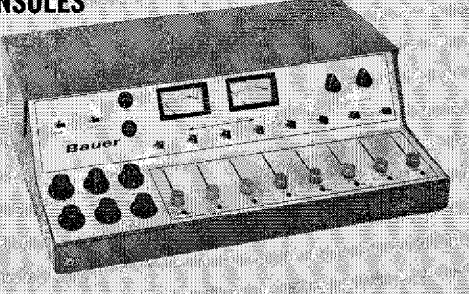
**3 KW to 20 KW AM & FM TRANSMITTERS**

Bauer transmitters are designed to increase your performance and decrease your maintenance with all solid state rectifiers and fool-proof circuit protection with tally light overload relay systems, Automatic Power Control, the latest design in ceramic tubes, Remote Control Provisions, PLUS the lowest tube investment in the industry. Performance proven in 23 countries throughout the world.

## AUDIO CONSOLES




912

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**912 Series** — Provides five mixers, speaker muting and cue facilities. All silicon solid state. Available in Kit Form. 19" x 18" x 9". Monaural or stereo models available.

**910 Series** — Provides 8 mixers, talk back, speaker muting and cue facilities. All silicon solid state. Available in Kit Form. 28" x 18" x 9". Dual Channel or stereo models.

**Look to Bauer for all your Broadcasting equipment: TRANSMITTERS, AUDIO CONSOLES, TRANSMITTER LOGGERS, AUDIO COMPONENTS, PHASING & COUPLING EQUIPMENT and REMOTE CONTROL SYSTEMS. Prices and delivery on request.**

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# LISTENING TO LATIN AMERICAN RADIO STATIONS

*by Gote Johansson, Tore Larsson, Olle Alm and Zet Jacobsson.*

After some time of listening most DX-ers will find that the countries in Latin-America offer a great number of broadcasting stations. Those who study some of the great DX-bulletins of the world will certainly find that a special interest is often devoted to these stations. There are many reasons for that. The great majority of the transmissions from this part of the world come from private commercial stations giving pleasant, popular programs with a special atmosphere and feeling. These radio stations are usually small and intended to cover just a limited part of the country, a province or a city and therefore are difficult to hear at longer distance. We have written this article to give some information about Latin-American DX-ing to those who still don't have much experience in this subject.

**Where on the dial can you find these stations?**

The main part of the Latin-American stations broadcast on 540 — 1600 kHz on medium wave and in the 49, 60 and 90 meter bands on short wave. With a medium wave transmitter they normally cover a town or a part of it; a short wave one is meant for the whole province where the station is situated. The antenna power is often low, usually between a couple of hundred watts up to 10 kilowatts. Only a few transmitters are more powerful. Controlling these numerous broadcasting stations — especially those outside the city areas — has proved to be difficult with the consequence that many transmitters are not kept in a perfect condition. That's why the frequency in many cases can be different from the official one and the modulation of the sound remarkably bad. It is therefore extremely important for you to check the identification of every station you are tuning to. Besides those mentioned above there are several Latin-American station in the 31, 25 and 19 meter bands, especially some powerful Brasilian ones which are quite easy to hear; and sometimes it is possible to hear a few stations in the 75 and 120 meter bands.

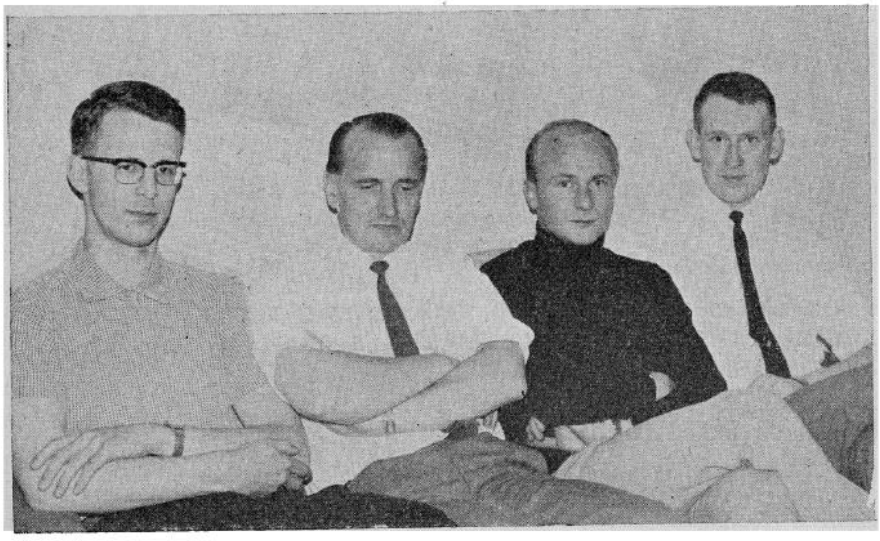
**Which stations can you hear?** On long distances the audibility of a transmitter is based upon several different factors, for instance the antenna output power and, more important, the construction and situation of the antenna. This makes some stations more frequently heard than others. Indeed it could cause a real sensation for some stations to be heard in Europe.

Further, conditions play a very important part. Latin-American stations are more easily audible during certain seasons and some countries are more often heard than others. In Northern Europe April-August is the most suitable time for shortwave listening to Latin-American stations. Both on medium and on short wave stations from Mexico, Central America and most from Ecuador, Peru and Bolivia are considered to be difficult to hear and require a special effort.

Reception conditions also vary from day to day (or night to night) with "tops" once or a few times per month. On such occasions you may hear some unusual stations together with the more regular ones coming through with good signal strengths.

Finally, reception conditions on the medium wave and tropic bands (120 and 60 meter bands) depend on how much sunspot activity there is (this varies on

*(continued page 52)*



From left to right:

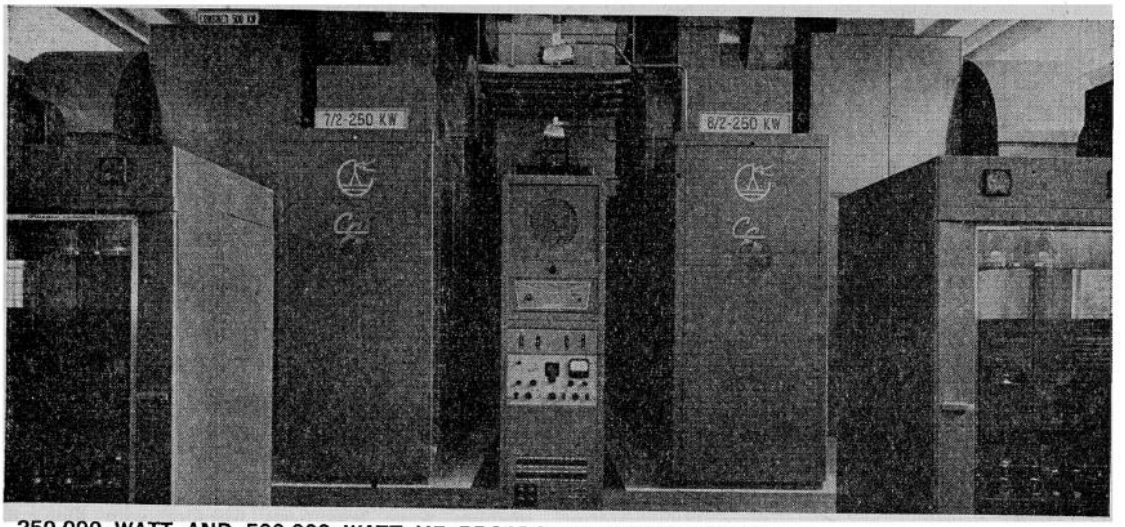
Olle Alm,

Göte Johansson,

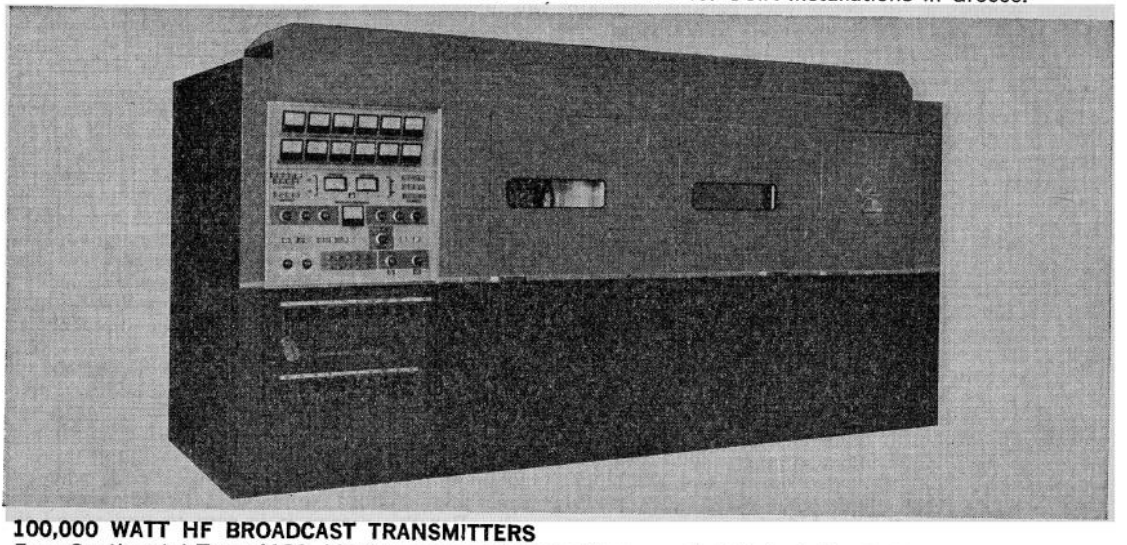
Zet Jacobsson,

Tore Larsson.

# CONTINENTAL ELECTRONICS SUPER POWER TRANSMITTERS AROUND THE WORLD




**250,000 WATT AND 500,000 WATT HF BROADCAST TRANSMITTERS**
Partial view of the Radio Liberty Committee Installation near Barcelona, Spain. This station uses four Continental 250,000 watt HF transmitters; two are combined for 500,000 watt operation. The USIA uses six Continental 500,000 watt HF transmitters at their Greenville, North Carolina Station. Continental is also building ten 250,000 watt HF transmitters for USIA installations in Greece.



**100,000 WATT HF BROADCAST TRANSMITTERS**
Four Continental Type 418B 100,000 watt HF transmitters are installed at the Emissora Nacional de Radiodifusão broadcasting station in Lisbon, Portugal. Two Continental 100,000 watt HF transmitters are installed in Pakistan.

*Continental transmitters range from 5,000 watts to 1,000,000 watts. For descriptive brochures, write: Continental Electronics Mfg. Co.; Box 17040; Dallas, Texas 75217.*

Continental Electronics
A SUBSIDIARY OF LTV ELECTROSYSTEMS, INC.

(continued from page 50)
an eleven year cycle and is currently increasing).

The suitable times for Latin-American DX-ing vary from place to place, but a good rule is that it has to be dark over the major part of the way between transmitter and receiver. In northern Europe the best time is from 23 to 04 hours G.M.T.

**Interference.** Most of you will have certainly heard the weak signals from Latin-American transmitters being greatly worsened by disturbances, broadcasting or commercial traffic. Especially in the tropic bands the commercial traffic such as cable and wireless (CW), telephoto etc. is causing a lot of trouble by blocking several frequencies over considerable periods. On medium and short wave (other than the tropic bands) interference is more caused by strong broadcasting transmitters occupying frequencies during all or a part of the good listening time. In order to reduce this interference as much as possible it might be a good idea to have a sensitive receiver and more than one good antenna of different construction. Antenna problems could fill a whole book and there is already so much written about the subject that we prefer to refer you to other articles for your information. On the lower frequencies, below 6 MHz, the reception during summer is often disturbed by noise from thunderstorms which can completely destroy the reception, the quality of the receiver or antenna is of very little importance in this case.

**Types of stations and their programs.** Most of the Latin-America radio stations are owned by commercial companies or by private persons and are often small with few employees. Many countries also have a network of Government-owned stations giving more serious non-commercial programs such as concerts, discussions or lectures. Finally, there are a considerable number of cultural stations often owned by the church with educational and religious programs on their schedules.

In order to be able to transmit programs they cannot afford to produce themselves, a growing number of the commercial stations join greater radio organizations. It can be important to know that these organizations sometimes have certain interval signals in common and on co-transmissions you can hear the identification of one of the stations taking part. It is advisable not to send reception reports on such co-transmissions.

The great majority of the Latin-American stations transmit programs consisting of music and commercial spots and sometimes short news bulletins. They are usually on the air at 06-24 hours local time but may also operate during a considerably shorter or longer time, some of them even around the clock. Some stations have commercials after every record played, others give them in blocks a few times per hour. Only some of the largest stations vary their schedule with sporting, cultural or news programs and commentaries. Each station usually has its own style with a preferance for a special kind of music, e.g. tropical dance music or romantic music. They also vary the type of program at different times of the day depending on what the majority audience is expected to be.

**Brasilian Short Wave Radio Stations.** The DX-er's very first contact with Latin-American broadcasting is usually made by hearing some of the large Brasilian stations in the 25 or 31 meter bands. Their signals are often strong around the year and particularly during rather dull conditions. The language used is Portuguese. The programs are generally held in the same style as those of other Latin-American stations: music, commercials, news, sports (football!) and on some of them also cultural and more serious discussions. Especially during the weekend many of them transmit reports from football-matches which may cause reporting problems. On such occasions co-transmissions are not unusual.

Your reception reports should be formed in the same way as to other Latin-American stations and preferably written in Portuguese. English may be accepted at the largest stations. An international Reply Coupon enclosed to your report is generally appreciated. Unfortunately many of the Brasilian stations with best reception are very reluctant to verify as they are always swamped with reports from all over the world.

**DX-ing on the BC-band (medium wave).** In addition to what has been written above we feel that it is necessary to give a little information about Latin-American radio stations broadcasting on medium wave. This part of the hobby requires special expertise from the DX-er and therefore cannot be recommended to the beginner. The extension of the medium wave conditions together with the great number of stations transmitting here are elements combining to cause this. Another reason is the capriciousness of the BC-band. For instance, one night you can find the conditions are quite good in a certain area and the following night nothing at all there. That's why it generally takes years of listening to find out the mysteries of the band and to get a thorough knowledge of it. The antennas are a very important detail when you listen to this band. Their syntony and direction are of extreme importance if you want to obtain the best possible reception. If not, you may very well be satisfied with a more simply equipped receiver as the stations on the BC-band are not quite so close to one another on the dial as their short wave fellowstations. This provides of course that you don't have any local or other high powered station in the neighbourhood that can cause interferences. This is a severe problem for the European medium wave listener who wants to listen to Latin-America. Many European nations have greatly increased the number and strength of their transmitters over the last few years. Also for some reason the "super-power" stations now seem to be used for night-programs too. This is very much to be regretted as in Europe it is only possible to hear these overseas stations during the night.

Almost all the Latin-American medium wave stations are intended to serve their home-audiences only. For this reason it is easy to understand that these stations have very little interest in knowing how they are received abroad. In spite of this and small staffs they are sometimes kind enough to reply DX-ers' reports.

The BC-band-listening has considerably more to give the DX-er than the short wave. It offers you many surprises — not always happy ones — and the only sure way to check what station one is listening to is by recognizing the call sign.

**How do you most easily obtain verification (QSL)?** Well, there are many different opinions on the subject. These are a few guide lines.

(continued page 54)

# SUPER SOUNDS

start with

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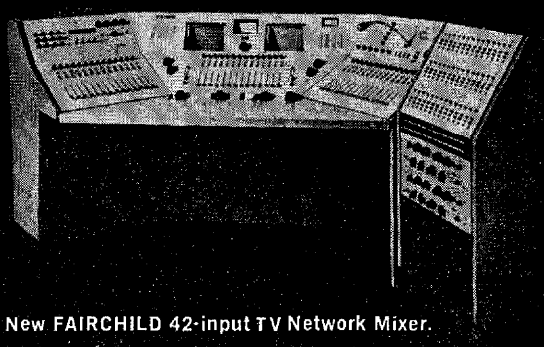


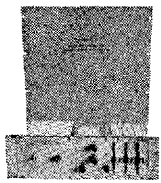
New FAIRCHILD 42-input TV Network Mixer.

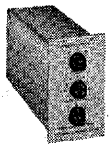
## FAIRCHILD REVERBERATION SYSTEMS...

Now FAIRCHILD has created two electro-mechanical reverberation systems that produce a sound termed by recording studio mixers – the experts who know what they hear – as "extremely natural sound possessing the quality of good acoustical reverb chambers." The two models differ more in their flexibility and cost rather than in reverberation effect.

**MODEL 658A**

The 658A is a complete solid state reverberation system with electronically controlled reverb time adjustments up to 5 seconds; mixing control for adjustment of reverberated to non-reverberated signal ratios; reverb equalization at 2, 3 and 5 KHZ. Size: 24½ x 19"

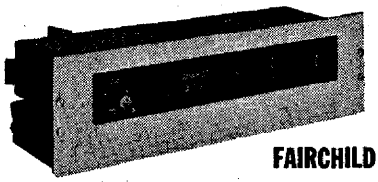




**MODEL 658B**

Compact, reverberation system for the 'big' sound in a small space. Contains reverb equalization in mid and low frequency range; level control; solid state design.
Size: Only 5¼ x 3 x 10" deep.

The "sound" of the Model 658A and 658B REVERBERTRONS will satisfy the most demanding audio engineer. Their pricing and size makes them even more appealing.

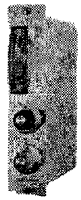


## FAIRCHILD CONAX

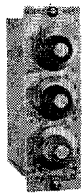
The world-accepted standard to control high frequency spillovers due to preemphasis. Maintain high levels even with brass and crashing cymbals in FM and recording.

## FAIRCHILD COMPACT COMPRESSOR MODEL 663

Allows creation of those **up tight** levels that contribute materially to presence and loudness combined with overload protection. The FAIRCHILD Model 663 Compact Compressor produces no distortion despite the amount of compression used... no thumps, no noise. The 663 provides adjustable release time and up to 20 db of compression. Model 663NL comes with unity gain and additional gain if needed with + 18 dbm output.

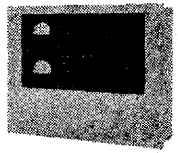


## FAIRCHILD PROGRAM EQUALIZER MODEL 664NL



An ideal no loss equalizer for broadcast and recording. The FAIRCHILD Model 664NL allows the production of the "hot, solid commercial" sound standard with major recording studios; transforms any conventional console into 'Big Board sound'. 1½" x 5¼" high unit provides equalization up to 10 db at 4, 6, 8, 10, or 15 KHZ and low end equalization up to 10 db. Rolloffs also provided. The Model 664NLB has equalization at 2, 3, 4, 5, and 7.5 KHZ for motion picture demands. The FAIRCHILD Program Equalizer contains equalization plus 18 dbm amplifier output. Put life into your sound with the FAIRCHILD Equalizer.

## FAIRCHILD LIMITER MODEL 670



Fast attack Stereo Limiter (50 microseconds) with low distortion and absence of thumps. Sum and difference limiting position eliminates floating stereo image. Includes regular channel A and B limiting. Dual controls, dual meters provided. Used throughout the world. Flexible release times make it indispensable in stereo recording and broadcasting.

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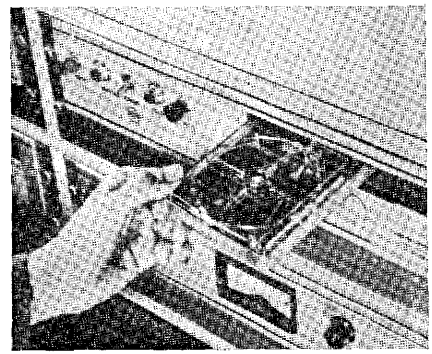


TELEPRO INDUSTRIES INCORPORATED

**CHERRY HILL, NEW JERSEY 08034 USA**
*Cable Address: Tele Pro, Cherry Hill, NJER*
*Staff Consultant: Frank Emanuel*


*(continued from page 52)*

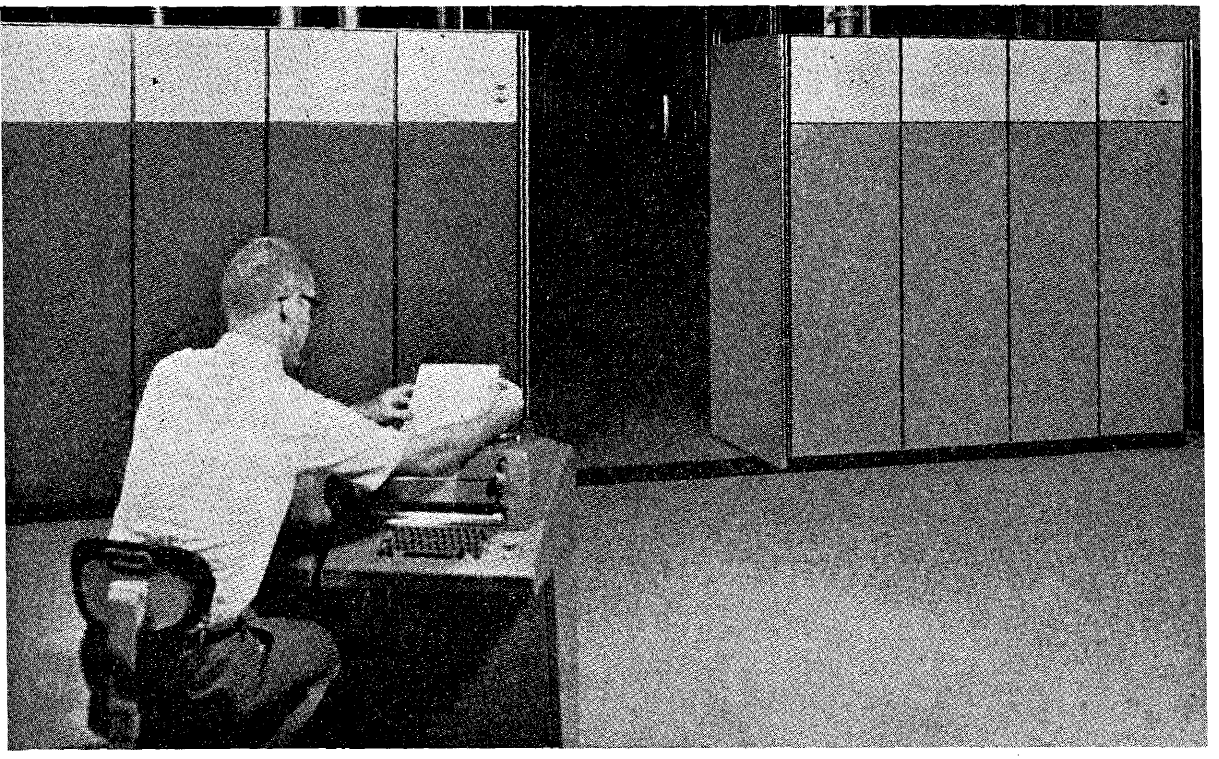
A printed report form is often enough if you report some of the largest stations, but not always. The form must be printed in Spanish for the Spanish-speaking countries and in Portuguese or English for Brasil. To most of the station we advise you to enclose a personal letter written in the language of the country or possibly in English to Brasil. DX-ers who don't have the requisite knowledge of the language should get some linguistic genius of a friend to write a form of letter which can be used for all the reception reports.

In this letter you must state the exact time in G.M.T. and the frequency when you heard the station how good or weak the reception was and what interference it suffered from. When you describe the signal strength or audibility you must avoid using the usual Q- or SINPO-codes, because hardly any Latin-American radio stations understand the meaning of them. It is better to use plain expressions such as "good", "rather good", "rather weak" etc. translated into the right language. The program details are as always a very important part of the report. You must not only prove that you heard that station but you must also show such an interest in the programs that the station has a good reason to reply. The report should cover at least half an hour's listening, preferably one hour or more. The DX-er himself must judge how many details he wants to enclose but it is an advantage to include a substantial part of what you have heard during the time of listening. Such details as commercial spots for goods or companies, program titles, names of disc-jockeys or other program participants should be given. Please note that no Latin-American radio station ever enters the titles of the tunes they play into their logs. Only if absolutely necessary should you include information about what kind of music was played or a special resume of some program.

At the end of your report you can briefly give a description of your receiver and antenna(s) and a few words about yourself and the place where you live, and if you wish, give some comments on the program. Most importantly the report must contain a great deal of information in a form which is easy to read.

As regards QSL you must not have too high expectations. It is natural that the stations are not able to reply to all the reception reports they receive. A few stations do however verify regularly; many of them reply to the first letters they get; others only to the most interesting letters. It is not unusual for many stations to reply consistently over a period and then not at all. There is also unfortunately a considerable group that prefer never or at least after a very long interval to reply. Many of these can be easily heard in Europe and are therefore up to their ears in reports. Usually it is of no value to enclose an International Reply Coupon except maybe for Brasil. These coupons cannot be cashed outside the capitals without great trouble. It is also advisable to send your reports by air mail although it costs a little more, as they should be as up to date as possible when they reach the station. Airmail is also safer than surface mail. As only a few Latin-American stations transmit external programs (e.g. "HCJB", "LRA" and Radio Habana) most have no particular interest in how they are received outside

*(continued page 56)*



# 12 SECONDS or less

## with Collins' new computer-controlled 250-kw transmitter

Collins' new 821A-2 high power transmitter offers 12-second frequency changes. That's for a change all the way across the 3.95- to 26.5-MHz range. For changes between closer frequencies, the time is less.

A Collins computer designed into the transmitter automatically controls, monitors and performs diagnostic routines on the 821A-2. Transmitter readings and status indications are visually presented to the operator.

A specially developed filter ensures harmonic and spurious rejection of 80 db—well in excess of CCIR recommendations.

The 821A-2 is designed for a wide range of installation arrangements. A weather-proof high voltage enclosure requires no indoor floor area, thereby reducing transmitter building costs. Indoor units (AF and RF modules) are pre-wired, tested and shipped as subassemblies. Total indoor floor space is 67 square meters.

For more information on this 250-kw transmitter, contact us today.

COMMUNICATION/COMPUTATION/CONTROL

COLLINS

COLLINS RADIO COMPANY / DALLAS, TEXAS • CEDAR RAPIDS, IOWA • NEWPORT BEACH, CALIFORNIA • TORONTO, ONTARIO
Bangkok • Frankfurt • Hong Kong • Kuala Lumpur • Los Angeles • London • Melbourne • Mexico City • New York • Paris • Rome • Washington • Wellington

TABLE OF THE

# MOST SUITABLE BROADCASTING MEGACYCLE BANDS, 1968

Prepared by Roger Legge, Etlan, Virginia, U.S.A.

| THE LISTENER'S AREA | LOCAL TIME | APPROX. GMT TIME | LOCATION OF TRANSMITTING STATION | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Jan./Feb., Nov./Dec. 1968 | | | | | | | Mar./Apr., Sept./Oct. 1968 | | | | | | | May-August 1968 | | | | | | | | | | | |
| | | | Eu/No.Af. | N.Am.(E) | N.Am.(W) | C./So.Am. | C./So.Af. | ME/So.As. | Es.As. | Aus./NZ. | Eu/No.Af. | N.Am.(E) | N.Am.(W) | C./So.Am. | C./So.Af. | ME/So.As. | Es.As. | Aus./NZ. | Eu/No.Af. | N.Am.(E) | N.Am.(W) | C./So.Am. | C./So.Af. | ME/So.As. | Es.As. | Aus./NZ. |
| EUROPE AND NORTH AFRICA | 00.00-04.00 | 23.00-03.00 | 6 | 9 | — | 4 | 9 | 9 | 9 | 9 | 6 | 11 | 11 | 6 | 9 | 11 | 11 | 9 | 9 | 15 | 15 | 9 | 11 | 15 | 15 | 9 |
| | 04.00-08.00 | 03.00-07.00 | 6 | 6 | 11 | 6 | 11 | 9 | 9 | 7 | 6 | 9 | 11 | 6 | 11 | 11 | 11 | 9 | 9 | 11 | 15 | 9 | 11 | 11 | 15 | 9 |
| | 08.00-12.00 | 07.00-11.00 | 11 | — | 11 | 9 | 21 | 15 | 17 | 11 | 11 | — | 11 | 9 | 21 | 15 | 17 | 11 | 11 | — | 15 | 11 | 21 | 17 | 17 | 11 |
| | 12.00-16.00 | 11.00-15.00 | 11 | 15 | 11 | 15 | 21 | 17 | 15 | 11 | 11 | 17 | 11 | 15 | 21 | 17 | 15 | 11 | 11 | 17 | 11 | 15 | 21 | 17 | 15 | 11 |
| | 16.00-20.00 | 15.00-19.00 | 11 | 21 | — | 15 | 21 | 15 | 9 | 11 | 11 | 21 | 11 | 15 | 21 | 15 | 11 | 11 | 11 | 17 | 15 | 15 | 21 | 17 | 15 | 11 |
| | 20.00-24.00 | 19.00-23.00 | 6 | 11 | — | 15 | 15 | 11 | 11 | 11 | 6 | 15 | — | 15 | 15 | 11 | 11 | 11 | 9 | 17 | — | 15 | 15 | 15 | 15 | 11 |
| NORTH AMERICA (EAST) | 12-4AM | 03.00-07.00 | 9 | 6 | 11 | 6 | 11 | 7 | 11 | 11 | 9 | 6 | 11 | 6 | 9 | 7 | 11 | 15 | 11 | 9 | 15 | 6 | 9 | 11 | 15 | 15 |
| | 2AM-6AM | 07.00-11.00 | 7 | — | 9 | 9 | 11 | 11 | 11 | 11 | 11 | — | 9 | 9 | 11 | 11 | 11 | 11 | 11 | — | 11 | 9 | 11 | 11 | 15 | 11 |
| | 6AM-10AM | 11.00-15.00 | 15 | 15 | 9 | 9 | 21 | 15 | 11 | 9 | 17 | 15 | 9 | 9 | 21 | 15 | 11 | 9 | 15 | 15 | 11 | 9 | 21 | 15 | 11 | 9 |
| | 10AM-2PM | 15.00-19.00 | 21 | 15 | — | 15 | 21 | 15 | — | — | 21 | 15 | — | 15 | 21 | 17 | — | — | 17 | 15 | — | 15 | 21 | 17 | — | — |
| | 2PM-6PM | 19.00-23.00 | 11 | 11 | 15 | 15 | 15 | 11 | 9 | — | 15 | 11 | 15 | 15 | 15 | 11 | 9 | — | 15 | 15 | 15 | 15 | 15 | 15 | 11 | — |
| | 6PM-10PM | 23.00-03.00 | 9 | 6 | 15 | 6 | 11 | 11 | 17 | 17 | 11 | 6 | 15 | 6 | 9 | 11 | 17 | 17 | 15 | 9 | 17 | 6 | 9 | 15 | 17 | 17 |
| NORTH AMERICA (WEST) | 12-4AM | 08.00-12.00 | 9 | 11 | 6 | 6 | 11 | 9 | 9 | 11 | 9 | 11 | 6 | 6 | 9 | 11 | 11 | 11 | 11 | 11 | 9 | 9 | 9 | 15 | 11 | 11 |
| | 4AM-8AM | 12.00-16.00 | 11 | 15 | 6 | 9 | 11 | 9 | 9 | 9 | 11 | 15 | 6 | 9 | 11 | 9 | 11 | 11 | 11 | 15 | 9 | 9 | 15 | 11 | 11 | 11 |
| | 8AM-12N | 16.00-20.00 | 15 | 21 | — | 15 | 21 | 11 | 15 | 11 | 15 | 21 | — | 15 | 21 | 11 | 15 | 11 | 15 | 17 | — | 15 | 21 | 15 | 15 | 11 |
| | 12N-4PM | 20.00-24.00 | 9 | 15 | 15 | 15 | 21 | 11 | 15 | 15 | 11 | 15 | 15 | 15 | 21 | 11 | 15 | 15 | 15 | 17 | 15 | 15 | 21 | 15 | 15 | 15 |
| | 4PM-8PM | 00.00-04.00 | 9 | 15 | 11 | 15 | 15 | 15 | 17 | 17 | 11 | 15 | 15 | 15 | 15 | 15 | 17 | 17 | 15 | 15 | 15 | 15 | 15 | 15 | 17 | 17 |
| | 8PM-12Mdt | 04.00-08.00 | 9 | 11 | 11 | 9 | 11 | 15 | 11 | 15 | 11 | 15 | 15 | 9 | 9 | 15 | 15 | 15 | 15 | 15 | 15 | 9 | 9 | 15 | 17 | 15 |
| CENTRAL AND SOUTH AMERICA | 00.00-04.00 | 04.00-08.00 | 11 | 11 | 15 | 6 | 11 | 11 | 11 | 15 | 11 | 15 | 15 | 6 | 9 | 11 | 11 | 15 | 15 | 15 | 15 | 6 | 9 | 11 | 15 | 15 |
| | 04.00-08.00 | 08.00-12.00 | 11 | 11 | 11 | 9 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 9 | 11 | 11 | 11 | 11 | 15 | 11 | 11 | 9 | 11 | 15 | 11 | 11 |
| | 08.00-12.00 | 12.00-16.00 | 21 | 21 | 11 | 15 | 21 | 15 | 11 | 11 | 21 | 21 | 11 | 15 | 21 | 15 | 11 | 11 | 21 | 17 | 11 | 15 | 21 | 15 | 11 | 11 |
| | 12.00-16.00 | 16.00-20.00 | 15 | 21 | — | 15 | 21 | 15 | 15 | 11 | 17 | 21 | — | 15 | 21 | 15 | 15 | 11 | 17 | 21 | — | 15 | 21 | 15 | 15 | 11 |
| | 16.00-20.00 | 20.00-24.00 | 15 | 15 | 17 | 15 | 17 | 15 | 15 | 17 | 15 | 17 | 17 | 15 | 17 | 15 | 17 | 17 | 17 | 21 | 17 | 15 | 17 | 15 | 15 | 17 |
| | 20.00-24.00 | 00.00-04.00 | 11 | 15 | 15 | 9 | 11 | 11 | 17 | 17 | 15 | 15 | 15 | 6 | 9 | 11 | 17 | 17 | 15 | 15 | 17 | 6 | 9 | 15 | 17 | 17 |
| CENTRAL AND SOUTH AFRICA | 00.00-04.00 | 22.00-02.00 | 11 | 15 | 17 | 15 | 9 | 11 | 11 | 15 | 15 | 15 | 15 | 15 | 9 | 11 | 11 | 15 | 15 | 9 | 15 | 11 | 9 | 11 | 9 | 15 |
| | 04.00-08.00 | 02.00-06.00 | 11 | 11 | 11 | 11 | 9 | 11 | 11 | 17 | 11 | 11 | 15 | 11 | 9 | 9 | 11 | 17 | 11 | 9 | 15 | 11 | 9 | 11 | 11 | 17 |
| | 08.00-12.00 | 06.00-10.00 | 15 | 11 | 11 | 11 | 15 | 15 | 15 | 15 | 21 | 11 | 11 | 11 | 15 | 15 | 15 | 15 | 21 | 17 | 11 | 11 | 15 | 15 | 15 | 15 |
| | 12.00-16.00 | 10.00-14.00 | 21 | 15 | 9 | 15 | 15 | 17 | 17 | 11 | 21 | 15 | 11 | 15 | 15 | 17 | 17 | 11 | 21 | 17 | 11 | 15 | 15 | 17 | 17 | 11 |
| | 16.00-20.00 | 14.00-18.00 | 21 | 21 | 11 | 15 | 11 | 15 | 15 | 9 | 21 | 21 | 11 | 15 | 11 | 15 | 15 | 9 | 21 | 17 | 11 | 15 | 11 | 15 | 15 | 9 |
| | 20.00-24.00 | 18.00-22.00 | 15 | 17 | — | 15 | 11 | 11 | 15 | 11 | 17 | 17 | — | 15 | 9 | 11 | 15 | 11 | 15 | 17 | — | 15 | 9 | 11 | 11 | 11 |
| MIDDLE EAST AND SOUTH ASIA | 00.00-04.00 | 21.00-01.00 | 11 | 11 | 11 | 11 | 11 | 9 | 11 | 15 | 15 | 15 | 15 | 11 | 11 | 9 | 11 | 15 | 15 | 15 | 15 | 15 | 11 | 9 | 15 | 15 |
| | 04.00-08.00 | 01.00-05.00 | 9 | 9 | 15 | 11 | 11 | 9 | 17 | 21 | 11 | 11 | 15 | 11 | 11 | 9 | 17 | 21 | 15 | 15 | 15 | 11 | 11 | 9 | 17 | 21 |
| | 08.00-12.00 | 05.00-09.00 | 15 | 9 | 9 | 11 | 15 | 15 | 17 | 17 | 15 | 11 | 11 | 11 | 15 | 15 | 17 | 17 | 17 | 11 | 15 | 11 | 15 | 15 | 17 | 17 |
| | 12.00-16.00 | 09.00-13.00 | 21 | 11 | 11 | 15 | 21 | 15 | 15 | 11 | 17 | 15 | 11 | 15 | 21 | 15 | 15 | 11 | 21 | 15 | 11 | 15 | 21 | 15 | 15 | 11 |
| | 16.00-20.00 | 13.00-17.00 | 21 | 21 | 11 | 15 | 21 | 11 | 15 | 11 | 17 | 21 | 11 | 15 | 21 | 11 | 15 | 11 | 21 | 17 | 11 | 15 | 21 | 11 | 15 | 11 |
| | 20.00-24.00 | 17.00-21.00 | 11 | 15 | — | 15 | 17 | 11 | 11 | 9 | 15 | 17 | — | 15 | 17 | 11 | 11 | 9 | 17 | 17 | — | 15 | 17 | 11 | 15 | 11 |
| EAST ASIA | 00.00-04.00 | 16.00-20.00 | 9 | 15 | — | 11 | 11 | 9 | 6 | 11 | 15 | 17 | — | 11 | 11 | 11 | 6 | 11 | 15 | 17 | — | 15 | 11 | 11 | 9 | 11 |
| | 04.00-08.00 | 20.00-00.00 | 7 | 11 | 15 | 11 | 11 | 11 | 6 | 15 | 11 | 15 | 17 | 11 | 11 | 11 | 6 | 15 | 15 | 15 | 15 | 11 | 11 | 11 | 9 | 15 |
| | 08.00-12.00 | 00.00-04.00 | 9 | 15 | 21 | 15 | 15 | 15 | 15 | 17 | 11 | 15 | 21 | 15 | 15 | 15 | 15 | 17 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 17 |
| | 12.00-16.00 | 04.00-08.00 | 9 | 11 | 11 | 11 | 15 | 17 | 15 | 17 | 11 | 11 | 15 | 11 | 15 | 17 | 15 | 17 | 15 | 11 | 15 | 15 | 15 | 17 | 15 | 17 |
| | 16.00-20.00 | 08.00-12.00 | 21 | 11 | 9 | 11 | 15 | 17 | 11 | 11 | 21 | 11 | 11 | 11 | 15 | 17 | 11 | 11 | 21 | 15 | 11 | 15 | 15 | 17 | 11 | 11 |
| | 20.00-24.00 | 12.00-16.00 | 15 | 15 | 9 | 15 | 15 | 15 | 9 | 11 | 17 | 17 | 11 | 15 | 15 | 15 | 9 | 11 | 17 | 17 | 15 | 15 | 15 | 15 | 11 | 11 |
| AUSTRALIA AND NEW ZEALAND | 00.00-04.00 | 14.00-18.00 | 15 | 15 | 9 | 11 | 11 | 11 | 11 | 9 | 15 | 15 | 11 | 11 | 11 | 11 | 11 | 9 | 15 | 15 | 11 | 11 | 9 | 11 | 11 | 9 |
| | 04.00-08.00 | 18.00-20.00 | 9 | 15 | — | 11 | 11 | 11 | 11 | 9 | 9 | 15 | — | 11 | 11 | 11 | 11 | 9 | 11 | 15 | — | 11 | 11 | 11 | 11 | 9 |
| | 08.00-12.00 | 22.00-02.00 | 11 | 15 | 21 | 15 | 15 | 15 | 15 | 15 | 11 | 15 | 21 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 17 | 15 | 15 | 15 | 15 | 15 |
| | 12.00-16.00 | 02.00-06.00 | 9 | 11 | 17 | 15 | 15 | 17 | 17 | 11 | 9 | 15 | 17 | 15 | 15 | 17 | 17 | 11 | 11 | 15 | 17 | 15 | 15 | 17 | 17 | 11 |
| | 16.00-20.00 | 06.00-10.00 | 11 | 9 | 11 | 15 | 21 | 15 | 15 | 11 | 11 | 11 | 15 | 15 | 21 | 15 | 15 | 11 | 15 | 11 | 15 | 15 | 21 | 15 | 15 | 11 |
| | 20.00-24.00 | 10.00-14.00 | 21 | 9 | 9 | 11 | 11 | 11 | 11 | 9 | 21 | 11 | 11 | 11 | 11 | 11 | 11 | 9 | 21 | 15 | 11 | 11 | 9 | 11 | 11 | 9 |

The band selections have been made on the basis of both propagation conditions and operating schedules.
A dash in the band column indicates reception is not expected due to difficult propagation conditions or stations not normally operating in propagationally suitable bands.

*(continued from page 54)*

their own continent. Hence you must consider every QSL you receive as a favour from the station and if you receive a particularly interesting letter, please don't forget to send a personal thank you so that the station continues to have a friendly attitude to us DX-ers.

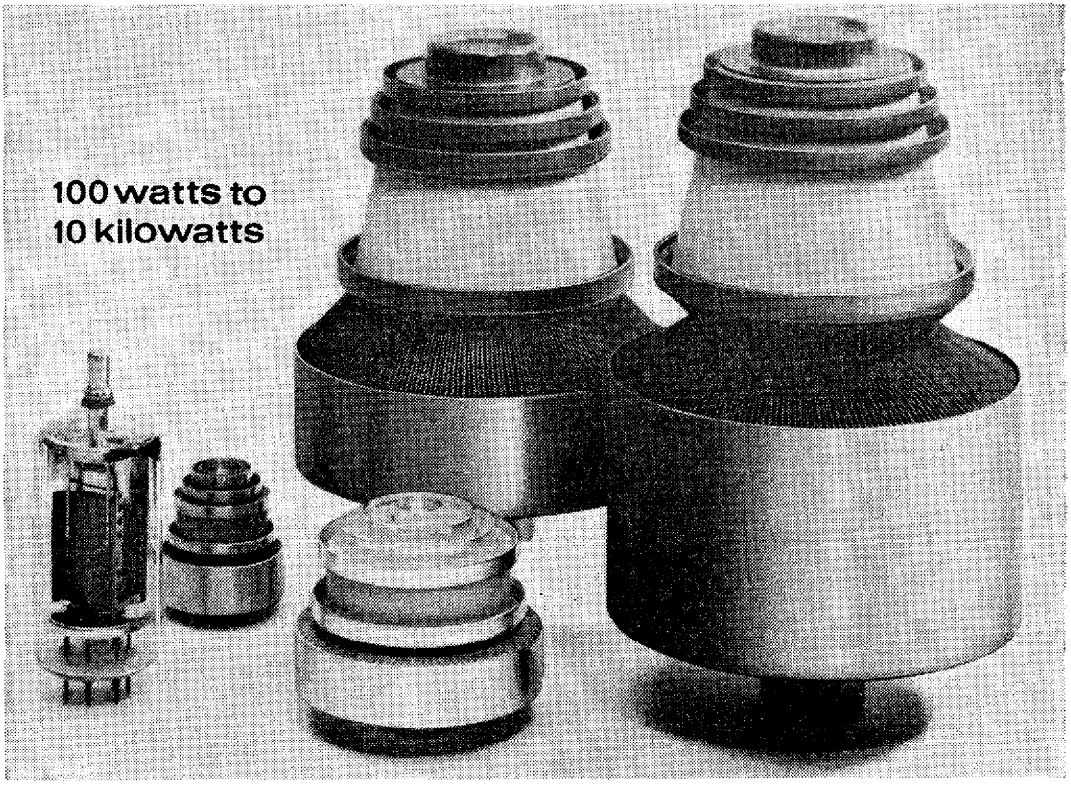
Well, we hope that this article will help you listen to the Latin-American radio stations and perhaps also to understand their situation.

A last word: A DX-er's best resource is patience! Happy listening to you all!

**CANADIAN DX CLUB** has something for every DXer! Membership all over North America plus many foreign countries. Our monthly bulletin CADEX presents feature material and members' reports in these categories: SWBC, MWBC, Ham Listening, TVDX, FMDX, and Utilities (including PTP) — PLUS Cardswapping, Club Awards, and Contests! Dues $4.00 per year; sample CADEX for 25c. or 2 IRCs. Address: C.D.X.C, 4 Fox Ridge Lane, Avon, CT 06001, USA. Join the team! — Join North America's LEADING general coverage DX club: C. D. X. C.

new

# 5 TUBES FOR SSB




**EXCEPTIONAL LINEARITY:** see table

**MODERN DESIGN:** metal-ceramic envelope*

**LOW INTERNAL LOSSES:** coaxial construction and ceramic insulation

**LONG LIFE AND HIGH RELIABILITY:** hard and stable vacuum

*YL 1150 with glass envelope

ASK FOR COMPLETE DATA ON THESE AND OTHER TUBES IN OUR EXTENSIVE RANGE OF TRANSMITTING AND RECTIFYING TUBES.

| tube | power in load | intermodulation distortion better than | maximum frequency |
|---|---|---|---|
| YL 1330 | 10 kW | -40 dB | 225 MHz |
| YL 1121 | 5 kW | -40 dB | 110 MHz |
| YL 1230 | 1 kW | -40 dB | 225 MHz |
| YL 1110 | 500 W | -40 dB | 1200 MHz |
| YL 1150 | 100 W | -30 dB | 110 MHz |

**PHILIPS** guarantee of world-wide availability and prompt delivery

# THE CHANGING WORLD OF MANAGEMENT COMMUNICATIONS

*by Mark Foster,*
*Management*
*Telecommunications*
*Systems, Inc.*
*New York*

The growth of giant multi-national corporations has forced top management to take a new look at internal, as well as external, communications techniques. Although highly sophisticated techniques have been used for what we call mass communications — advertising and public relations — very little attention has been given to the area of internal communications directed to the corporate family and/or distribution system.

Traditional efforts have been limited to the printed word with corporations leaning heavily on memos, bulletins, house organs and the like, in order to communicate to their corporate family.

As the corporate family increased in size, diversified and decentralized, it became more complex for top management to reach its specialized audiences on a regular basis.

In the past decade or so, electronic communications, computers and other electronic devices have come into wide usage to make information dissemination and data processing more rapid and more efficient. It was thought at one time that the "electronic age" would displace many workers, but this was not true. As a matter of fact, the new technology has created many additional new jobs, but these jobs have required extensive training of personnel before they could be performed.

Let's look at the dramatic changes taking place around the world. What is this new communications technology like? What can it do to help accelerate the management process in industry, in government and education?

Internationally, the channels available for all communications have added a greater capability. The present synchronous satellites provide 240 or more voice/data channels, or a television channel, over both Atlantic and Pacific. Next year, the Intelsat III system will multiply this capacity by five times. Within a decade, we can expect satellites accommodating 42,000 voice/data channels or two dozen television channels available for all forms of management electronic communications.

Transistorized cables will soon add many new circuits under the ocean. Laser communications may multiply transmission capacity even more in the future. Thus, new dimensions of economy and flexibility are being added almost daily to our worldwide communications capability.

The communications revolution also gains momentum from the new role of computers at the management level — absorbing, processing, and comparing data. New large screen displays now provide dynamic interface techniques permitting large groups to view computer readout simultaneously — in one location or in multiple-city networks.

The new technology is breeding novel methods of interchanging print, picture, and sound. Electronic eyes read written or printed characters and transmit their substance over microwave channels or into computer circuits. Pictures are transmitted in digital form and reconstructed by computers.

All of this will dramatically alter the concept and conduct of multi-national businesses. Information and training will flow back and forth in growing volume over the new super-highways of communication — through space and across oceans. Communicating with all parts of a global enterprise will become as easy as communicating within the United States.

A sales vice president in New York or Detroit will have constant call on current conditions affecting his local markets anywhere in the world.

A director of engineering will be supplied in sight and sound with a steady flow of data on conditions that affect construction or production operations overseas. He will be able to bring together expert consultants in many countries simultaneously by television through closed-circuit conferences.

Training Directors will have a worldwide closed-circuit television complex for orientation and employee training throughout the company. He will be able to train and upgrade skilled workers and managerial talent in great numbers utilizing tele-controlled audio-visual aids.

Such electronic devices as large screen closed-circuit television bring about a direct, almost one to one, confrontation between top management and the man in the field.

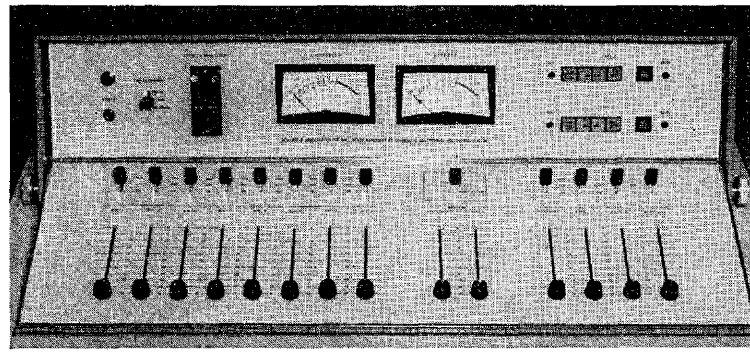
This contact, on a regular basis, can cover the full range of corporate communications, from marketing and employee training, to community and financial relations.

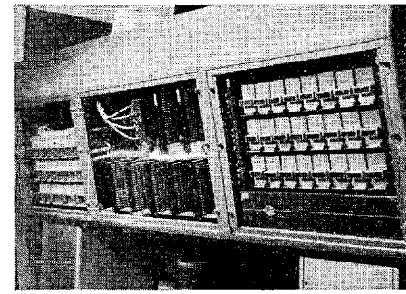
New types of organisations such as Management Telecommunications Systems, Inc. are emerging to provide top management, as well as middle management, with a total system for his electronic communications needs. These systems encompassing hardware and software, integrate all corporate communications to form, in effect, an electronic management communications system. These systems interconnect corporate headquarters with regional and branch offices, both in the U.S. and overseas. They make possible direct — non-diluted — messages from top to bottom rung.

We are living through a communications revolution of unparelleled proportions and, as a result, greater changes have taken place in mankind in the past fifty years than that which occurred in the previous 25,000 years.

Management has a remarkable opportunity before it today to extend its experience, heretofore limited to the more sophisticated societies, to its multi-national operations and thereby to much of the less developed world. Global management telecommunications — **in sound and sight** — can make possible a more efficient, more prosperous world for all.

# ALTEC'S
## new studio equipment makes the beauty of these custom consoles more than skin deep!





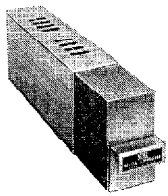
Though they're located many miles apart, these beautiful new custom control consoles have one thing in common—Altec's most recent studio products.

For example, one console utilizes 43 Altec 9470A solid-state plug-in amplifiers, the other 14! The reason for choosing this advanced, all-silicon amplifier is immediately apparent from the description below.

Other Altec components in these sophisticated consoles include 9550A solid-state power supplies, 9061A program equalizers, and the advanced straight-line attenuators.

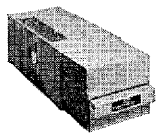
These are just a few of the many new products with unique advantages available for your custom console from the world's largest manufacturer of sound equipment exclusively. Before you build *your* "dream console," be sure to take a look at the latest and the best—from Altec!

### NEW ALTEC 9470A AMPLIFIER



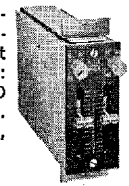
This unit can serve as preamp, line, booster or program amplifier with no internal changes. All-silicon transistor circuitry delivers 0.5 watt; Frequency response, 20-20,000 cps ±0.5 db; THD, less than 1%, 20-20,000 cps @ +27 dbm; Noise level (unweighted, 10-25,000-cps bandpass), equivalent input noise, —127 dbm (input unterminated); Overload recovery, 5μs for 100% overload.

### NEW ALTEC 9550A POWER SUPPLY



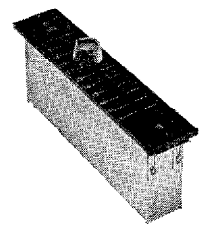
This all-solid-state unit can power up to fifteen 9470A amplifiers at full output! External sensing circuit ensures constant output voltage regardless of line-voltage fluctuations. Under full 2-amp load, output ripple and noise is only 200μv RMS.

### NEW ALTEC 9061A PROGRAM EQUALIZER



This passive unit provides continuously variable equalization at selectable frequencies: up to 12-db boost at 40 or 100 cps and 10 kc. Straight-line controls, plug-in mounting.

### NEW ALTEC STRAIGHT-LINE ATTENUATORS



Extremely low-noise attenuators feature gold-tipped bifurcated sliding contact brushes. Sliding bearings are made of friction-free Delrin and slide on polished chrome-plated shaft. Available in slide wire and step type models.

### ALTEC PUTS NEW THINKING FOR BETTER PERFORMANCE IN ALL ITS STUDIO AND AUDIO CONTROLS PRODUCTS!

The equipment here is but a small fraction of the advanced Altec audio products you can use to build a better console. Other off-the-shelf audio control items include graphic and microphone equalizers, filters, precision networks, matching pads, rotary attenuators, precision rotary switches, dynamic and condenser microphones, monitor speakers plus several new products on the way!

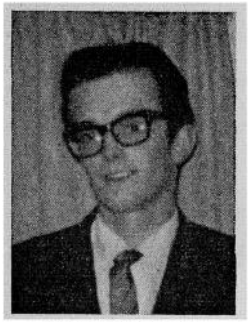
For the name of the Altec Distributor in your area, please write International Division, Dept. W.

ALTEC LANSING®

*A Division of LTV Ling Altec, Inc.*

**ANAHEIM, CALIFORNIA, U.S.A.**

# THE ANARC FREQUENCY RECOMMENDATION COMMITTEE



Roger Camire

The Association of North American Radio Clubs is a neutral organization uniting over a dozen of the leading radio DX clubs in the United States and Canada, and acting as their spokesman, and as a single, united voice for DX-ers and international radio listeners in North America in general.

In January of 1965 the ANARC put forth a proposal for the formation of a committee which would study Shortwave broadcasters' frequencies and upon request, recommend changes in North American beams. It was projected that such a committee would be of great assistance to the DX-er and broadcaster alike.

Under the reigns of Richard Wood, a prominent DX-er, the committee was formed in March, 1965. It consisted of several true DX-ers in key reception areas of America, chosen for their skill and excellent equipment. On March 14, letters were sent to all major stations announcing the committee and inviting them to submit current and future schedules, with an eye toward their study by the committee in a serious, responsible attempt to improve frequency choice and transmission hour selection, thus insuring interference-free reception.

In answer to the first exploratory letters, Trans World Radio, R. Cairo, Amman, Bucharest, Beirut, Netherlands, Australia, Sweden, and the U.S.S.R.'s Ministry of Communications all reported interest in the project, though it was apparent that some doubts about the committee's usefulness existed.

The first success for the committee came in the Fall of 1965 when Bonaire adjusted frequencies on recommendation with good results. Participation soon followed by R. Sweden, Deútsche Welle, R. Prague and R. Portugal. By late '66 the BBC, R. Vatican, and others were also consulting the committee on a regular basis. By this time the committee had established itself as a responsible organization of great value to international broadcasters.

Early in 1967 Mr. Wood transferred the chairmanship of the FRC to me. After preliminary notations to the stations and monitors involved, work continued as usual, attempting to handle all requests for clear frequencies and evaluation of schedules as soon as possible.

Operation of the committee is designed to facilitate rapid processing of schedules. When a schedule is received it is outlined for American target areas and posted. The frequencies and times are placed on a sheet and checked for reception periodically for a week or more. At the same time, a copy for Western America is sent to monitors in that area. The presence of interference if noted objectional, is identified and filed. A sheet listing clear frequencies on each band at various times is also kept. After a report from the other monitors and a check for supplementary information in club bulletins, a full evaluation of each outlet is made and forwarded to the station in question. Also included are several clear frequencies in the troubled meter band if they are needed or available. These are chosen from the stations listed alternate frequencies whenever possible. Sometimes, an entirely different meter band may be recommended for better results. This is evaluated from propagation charts and general quality of reception of stations in the area for a given time.

While membership in the committee changes occasionally, present members include August Balbi, Art E. Glover, and myself. Several other DX-ers offer sporadic information as well, and upon special request, it is possible to enlist ANARC member clubs for a special project or to resolve a difficult reception problem.

Having participated in this field for only a short time, I am now convinced that responsible frequency management can do the work of a large number of transmitters, many of which would be wasted, generating QRM, one useless channels, and at the same time elminate the present overcrowding that exists.

While much has been accomplished during the past few years, a great deal more could be done. The entire key to the future success of the FRC is co-operation. Without it, we are but a single voice in the wilderness, lost in a myriad of station reports which are often ignored or answered only out of courtesy.

The ANARC Frequency Recommendation Committee invites stations beaming to North America to submit their future schedules to us for consideration and possible comment by the committee monitors. Broadcasters presently experiencing interference will gladly be sent recommendations for alternate frequencies or transmission hours, based on extensive study, to enhance reception on the North American Continent.

*Roger Camire, Chairman FRC.*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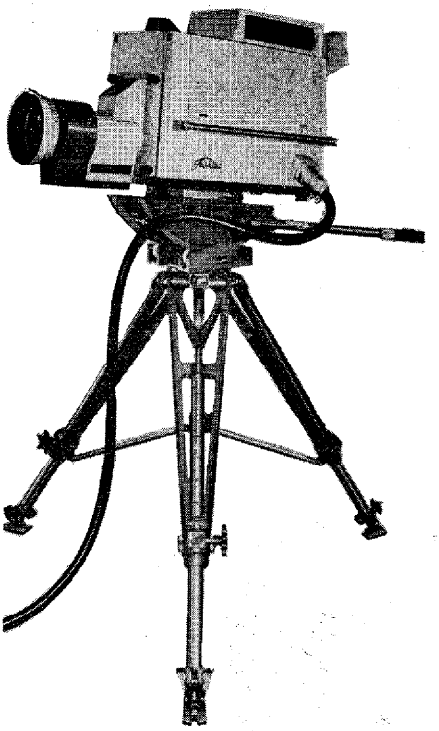

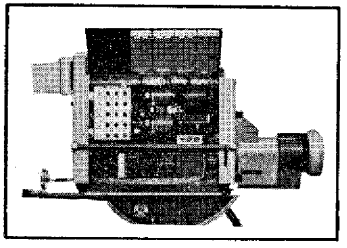

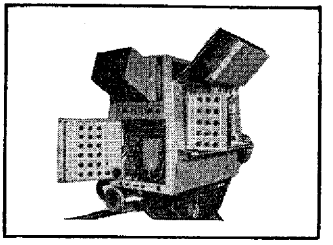

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# RECORDED MUSIC LIBRARIES

Most Recorded Music Libraries operating in England supply Recorded Music, often specially commissioned, generally of varied character (although some may specialize) and designed especially to meet the needs of programme producers in the fields of television, film and radio.
Recordings are usually available on disc (either specially-produced 78 r.p.m. for facility of groove location, or microgroove) although ¼in. tape versions at 7½ and 15 i.p.s. full track are often available by arrangement and some two-track stereo may be offered.
Conditions of usage vary in different territories but it should be pointed out that both the musical works and the recordings thereof are the copyright property of the owner-publisher and the public performance by any means is subject to the requirements of the Performing Right Society, 33 Berners Street, London W.1 (or their representatives in the territory concerned). Moreover, the supply or purchase of recordings does not automatically grant any permission to copy or re-record the material on to film soundtrack or any other sound-reproducing medium. Such copying is normally permitted, however, subject to licence issued in England by the copyright owner direct or on his behalf by a representative organisation (the Mechanical Copyright Protection Society, Elgar House, 380 Streatham High Road, London S.W.16) specializing in the collection of mechanical fees and the issue of relative licences. Producers are advised in their own interests to ascertain licencing details in advance to avoid any possibility of infringement. It should be checked also that the items concerned are available for world-wide distribution should such a need exist.
Prices and conditions of usage will gladly be supplied by the publisher concerned from whom also a classified catalogue can be obtained.

## BACKGROUND MUSIC

*by R. A. Sweetman, Licensing Manager, Mechanical-Copyright Protection Society Ltd.*

R. A. Sweetman

The studio falls silent, the stars depart for their next assignment, and cans of film commence their journey through process after process until the day the Editor says to the tea boy: "Sweep that lot up from the cutting room floor!" What is left is a distillation of the product of many craftsmen, lacking only what the technicians call an "M & E" track. Somewhere in the depths of the studio, the "Sound Man" will be peering myopicly at a mixing sheet, considering what he is going to use to fill the pregnant silences of the picture so recently dropped on his bench. He will need music and effects and if the picture is a modest one, or time is short, it is practically certain that he will look to the music library for 78 or 45 rpm discs and tapes at all speeds, and the labels will bear somewhere upon them the words "Mood Music".

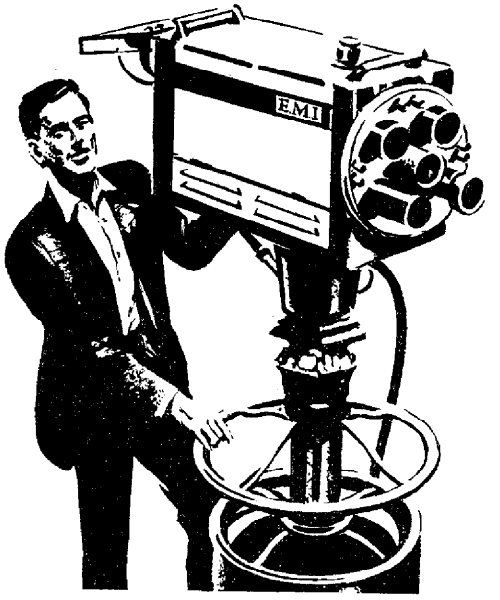
The history of this fourth class of music (as distinct from "Classical", "Standard" or "Popular" music) is a curious one. It can really be traced back to the year 1909, when Meyer de Wolfe first started to produce sheet music of the works of hitherto unknown composers for the use of pit orchestras for the stage and "biograph". With the coming of the "talkie" in 1928, the call was for music on 35mm film tracks for ready transfer, and Mr. de Wolfe, with foresight, began to supply it. By 1935, other music publishers, notably Bosworth & Co. Ltd., and Boosey & Hawkes Ltd. of London, began to see the need for such music, but by now the call was for 78 rpm records. All these firms exist today, but although the music may still be classed as "mood music", the demand is now for LP discs and tapes.

What of the composers of this unique form of music? In the early days many unknown composers had their first start with the "mood music" libraries, and only occasionally did well known writers enter the field. Boosey's, for example, used works of Gustav Holst and Vaughan Williams in their "Photoplay" Series, but today the demand is primarily for quality and excellence of reproduction, and together with the march forward of recording techniques there has developed what might be called a "specialist" composer who is a technician — producing material tailored to his medium of radio, television and film. No longer is such material regarded as "Pot-boilers" to provide a pittance to enable the composer to retire to his garret to work on his symphony. Names which come to mind are Robert Farnon from Canada, Trevor Duncan, King Palmer, Ronald Binge from Britain, Jack Shaindlin and L. E. de Francesco from the U.S.A. and Roger Roger from France. Today their names are legion, and I offer my apologies in advance to those I have not mentioned — to list them all would fill a book. Many of their works have become standards or even "pops" — tunes like "Coronation Scot" (Farnon), "Little Suite" (Duncan) (used as titles for the B.B.C. TV series "Dr. Finlay's Casebook"), "Elizabethan Serenade" (Binge). Listeners to the B.B.C. country radio programme "The Archers" — which has an extensive following in many parts of the world — will be familiar with "Barwick Green" which heralds its commencement and finish.

Even so, music that has become well-known is not good mood music, which often has to rely on its background character for its ability to blend harmoniously with a visual accompaniment, or its anonimity to create a dramatic effect without distraction. Much care is now given even to the shortest pieces, and one can find in the libraries anything from miniature suites, where matching movements can be of only a few bars' duration, to full works, carried on several records, which can be used both in their entirety and separately. Many short stings, bridges and links together with arpeggios and glissandos, have been carefully designed to fit all types of requirement. Works have even been written for drums.

One of the main advantages of using music from Mood libraries is that copyright problems familiar to most users of other music do not arise. Many composers and copyright owners of classical music object to their material being used as background music, and popular tunes at the height of their popularity may well prove expensive. The principal difficulties are, of course, the time taken to secure copyright consent to the use of such works, and the inability to budget for costs in advance. Few radio

*(continued page 64)*

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(continued from page 62)

and television organisations have the time to deal with such matters in addition to the pressures of programming, and this is where the advantages of the possession of a Mood music library become apparent. The production of high quality musical material is itself costly for the manufacturer and those costs are usually recovered by copyright payments by the user in proportion to the uses made. In the case of "Mood music" the form of payment may vary from country to country, or from manufacturer to manufacturer, but the basic principle applied is that the material should be available without the necessity for prior negotiation, and charges are standard throughout the range of material offered. Collection of copyright fees is often made through local copyright protection societies, with whom broadcasting authorities may already have made agreements.

Owing to the nature of this kind of music, and the many thousands of titles available, it would be difficult to order material by title. To assist users, most libraries issue catalogues of their repertoire, which list their titles under such headings as "Comedy", "Dramatic", "Romantic", etc., etc., and many libraries offer a selection service to meet purchasers' special requirements. Where local agents can be reached, music can be heard and chosen at leisure.

Readers will find at the end of this article, the names of many of the main libraries, and where possible, local agents are quoted. Catalogues will be supplied on request — either to the agent or Head Office.

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**Berry Music Co. Ltd,** 10 Denmark Street, London W.C.2.
Overseas Agents:
Campbell Connelly (Australia) Pty. Ltd, 21 Elliott Street, Balmain, Sydney, N.S.W, Australia.
**Emil Ascher Inc,** 745 Fifth Avenue, New York, N.Y. 10022, USA.
John Hawkins, 13 Norrie Avenue, Mount Albert, Auckland, New Zealand.
Burg Music Publishers, 304 His Majesty's Building, Eloff Street, Johannesburg, South Africa.
Edizioni Connelly Musicali, Galleria-Del, Corse 2, Milan, Italy.
L'illustration Musicale, 35 Boulevard, Malesherbes, Paris 8, France.
**Boosey & Hawkes Music Publishers Ltd,** P.O. Box 1 BR, London W.1.
Overseas Agents:
Boosey & Hawkes Inc, 30 West 57th Street, New York, N.Y. 10019, USA.
Boosey & Hawkes (Canada) Ltd, 109-213 Victoria Street, Toronto, Ontario, Canada.
Boosey & Hawkes (Australia) Pty. Ltd, 250 Pitt Street, Sydney, N.S.W, Australia.
Boosey & Hawkes S.A, 4 Rue Drouot, Paris 9, France.
Nazionalmusic Organizzazione Musicale, Corse Vittorio Emanuele 30, Milan, Italy.
Telefilm Service, 28 Rue Lefbroussart, Bruxelles, Belgium.
Sonorfilm, Breitweg 36, Ostermundigen/Berne, Switzerland.
**Bosworth & Co. Ltd,** 14/18 Heddon Street, London W.1.
Overseas Agents:
The names of Bosworth Agents in all territories are available from the above mentioned firm.
**Chappell Recorded Music Library,** 50 New Bond Street, London W.1.
Overseas Agents:
Chappell & Co, 68-70 Clarence Street, Sydney, Australia.
Chappell & Co. Ltd, 14 Birch Avenue, Toronto 7, Canada.
Chappell S.A, 4 Rue D'Argenson, Paris 8è. France.
Chappell & Co. G.M.C.H, Sendlinger Tor Platz 10, 8 München 2, Germany.
Chappell & Co. N.V, Weteringschans 35, Amsterdam, Holland.
Galleria del Corso 4, Milano, Italy.
Musi-Cines Corporation, 177 West 46th Street, New York, N.Y. 10036, USA.
Metronome Records, Vibevej 31, Copenhagen NV, Denmark.
Editions Chappell, 8604 Volketswil, Zürich, Switzerland.
New Zealand: contact Australian Office.
**Charles Brull Ltd,** 100 St. Martin's Lane, London, W.C.2.
Overseas Agents:
W. H. Paling (Pty) Ltd, 338 George Street, Sydney, Australia.
Ludwig Doblinger, 10 Dorotheergasse, A - 1010 Wien 1, Austria.
Viggo Petersen, Jenslev, 4070 Kirke-Hyllinge, Denmark.
Editions Charles Brull, 18 Rue de Provence, Paris 9è, France.
Felix Filmi OY, Toolontorikatu 7a, 2 Helsinki 26, Finland.
Oktave Musik Verlag, 2 Hamburg 22, Adolfstrasse 45, Germany.
Holland Musik NV, Singel 500, Amsterdam C, Holland.
Peter Hunt Recording Studios, 130 St. Stephens Green, Dublin 2, Ireland.
Suvini Zerboni, Galleria del Corso 4, Milan, Italy.
Mervyn John Productions (Pty) Ltd, 110-113 Silvern House, 139 Commissioner Street, Johannesburg, South Africa.
Ragnar Bergholm, Drottninggaten, 14 Stockholm C, Sweden.
Tefima S.a.r.l, 32 Rue St. Jean, Geneva, Switzerland.
Emil Ascher Inc, 745 5th Avenue, New York, N.Y. 10022, USA.
**Chandos (Recordings) Ltd,** 41, Charing Cross Road, London W.C.2.
Overseas Agents:
The names of Chandos Agents in all territories are available from the above mentioned firm.
**Contact Music Ltd,** 23 Denmark Street, London W.C.2.
Overseas Agents:
Lee Magid Inc, 5750 Melrose Avenue, Hollywood, California, USA.
M.C.A. Ltd, 445 Park Avenue, New York, USA.
Peter Maurice Inc, 1676 Broadway, New York, USA.
**Messrs. De Wolfe,** 80/82 Wardour Street, London, W.1.
Overseas Agents:
Corelli-Jacobs Film Music Inc, 25 West 45th Street, New York, N.Y. 10036, USA.
Metronome Records Gmbh, Heidenkampsweg 76b, Hamburg 1, Germany.
Canadian Music Sales Corporation Ltd. 58 Advance Road, Toronto 18, Ontario, Canada.
Sonos Edizioni Musicali, Via Volturno 7, 40121 Bologna, Italy.
Metronome Records A/S, Vibevej 31, Copenhagen N.V, Denmark.
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(continued page 66)

RSC

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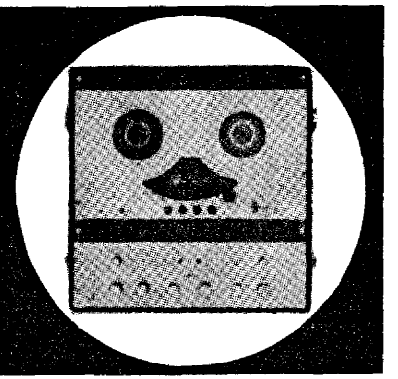

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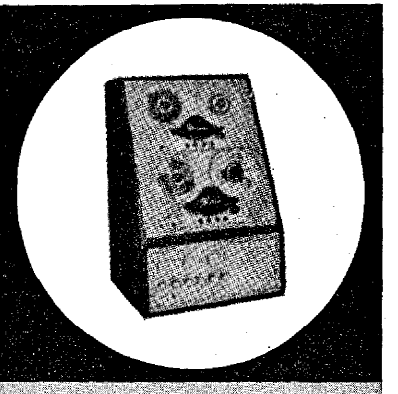

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*(continued from page 64)*
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**Ember Record Library,** 155/157 Oxford Street, London W.1.
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Primavera, 22 Boulevard Maurice, Lemonnier, Brussels, Belgium.
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Emil Ascher Inc, 745 Fifth Avenue, New York, N.Y., USA.
Publications Francis-Day, 5 Avenúe de l'Opera, Paris 1, France.
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Eastern Music Publishing Co. Ltd, 34 Kotohira-cho, Shiba, Minato-ku, Tokyo, Japan.
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Chappell & Co. Ltd, 68/70 Clarence Street, Sydney, N.S.W, Australia.
Holland Music N.V, Singel 500, Amsterdam, Holland.
Nazionale Music Organizzazione Musicale, Corso Vittorio Emanuele 30, Milan, Italy.
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Wien Melodie, Mahlerstrasse 11, Vienna 1, Austria.
Ring Musik, Oederweg 26, Frankfurt-am-Main, Germany.
Holland Music N.V, Singel 500, Amsterdam, Holland.
Leonardi, Gruppo Editoriale, Corso Europa 5, Milan, Italy.
Central de Grabaciones S.A, Bucareli 12, Mexico.
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P.M Belgolux, 13 Rue de la Madeleine, Brussels, Belgium.
Thore Ehrling Musik A.B, Box 5268, Stockholm 5, Sweden.
Holland Music N V, Singel 500 Amsterdam, Holland.
Mervyn John, 139 Commissioner Street, Johannesburg, South Africa.
L'illustration Musicale, 35 Boulevard Malesherbes, Paris 8è, France.
Nazionalmusic Organizzazione, Corse Vittorio Emanuele 30, Milan, Italy.
Svenskton-Film, Odengaten 100, Stockholm VA, Sweden.
Hans Wewerka, Franz Josef Strasse 2, 8 Munchen 13, Germany.

**Label Music (Enterprises) Ltd,** 55 West Hill, Wembley Park, Middlesex.
Overseas Agents:
The names of Label Music Agents in all territories are available from the above mentioned firm.

**Mozart Edition (Great Britain) Ltd,** 199 Wardour Street, London W.1.
Overseas Agents:
Mozart Edition GmbH, Bad Reichenhall Obb, Wittelsbacherstrasse 18, Germany.
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Emanuele Daniele, Gruppo Editoriale Musicale Sidet, Piazzetta Pattari 4, Milan, Italy.
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Peer Musikverlag GmbH, Klaerchemstrasse 11, 2000 Hamburg 39, Germany.
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Illan Melody Press, P.O. Box 6011, Tel Aviv, Israel.
Edizioni Southern Music S.r.l, Piazzetta Pattari 2, Milan, Italy.
Southern Music Publishing Co. Ltd, 423 Mikkatsu International Building 1-1 chome, Yura Kucho Chiyoda-ku, Tokyo, Japan.
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Audio Effects Co, 1600 N. Western Ave, Los Angeles, Calif. 90027.
Audio Directors Inc, 318 W. 19th St, New York, N.Y. 10011.
Boosey & Hawkes Inc, 30 W. 57th St, New York, N.Y. 10019.
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*(continued page 68)*

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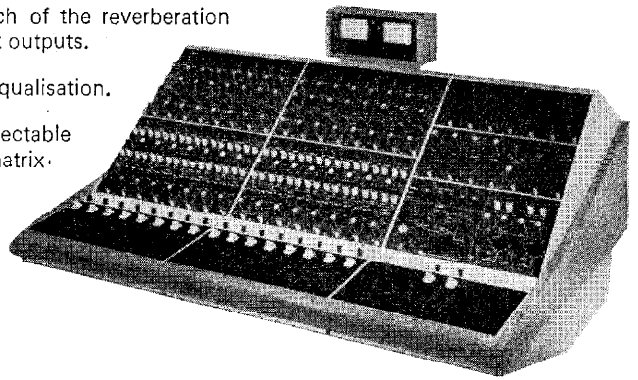

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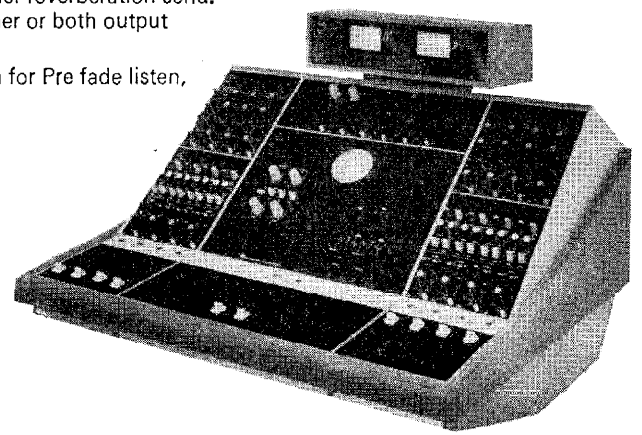

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*(continued from page 66)*
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## A MESSAGE FROM THE EDITOR

This 22nd edition of the WORLD RADIO TV HANDBOOK has been extended and kept up-to-date with the advice of specialists and consultants in the field of radio and television in order to assist those who desire to obtain as complete and practical information as possible about the various radio and TV stations throughout the world.

It has been our aim with the 1968 edition to enable everyone to have a complete and practical basis on which to start or continue listening to broadcasts (on shortwave in particular) from near and far-away countries and thus create the possibility for a better international understanding.

It would be impossible to list all the names of the many people whom we have consulted about the new material — friends who have made valuable contributions to this book. We thank them for their help and interest in our work.

I want to thank specifically the many broadcasting and TV organisations, radio clubs, faithful contributors, advertisers, etc., who have made this edition possible.

The WRTH 1968 has been written and compiled for *you* entirely. Consequently we will be more than happy to receive your criticism and suggestions with regard to improving and extending the contents of the present edition.

J. M. Frost
Editor

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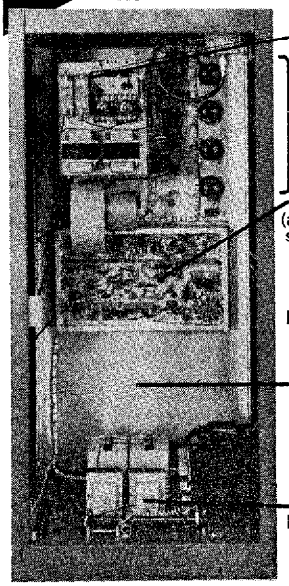
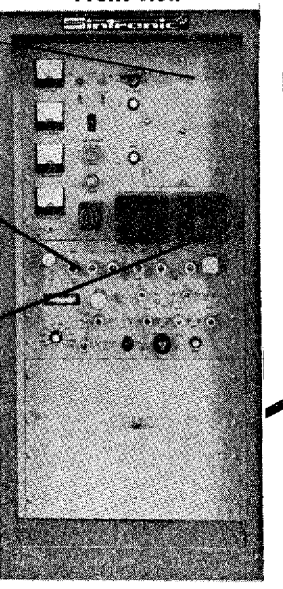


Front view



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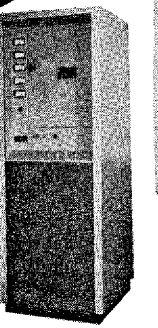

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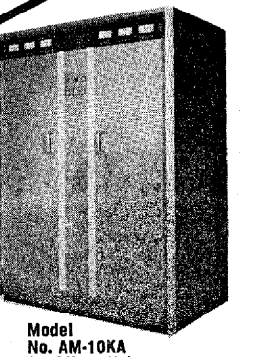

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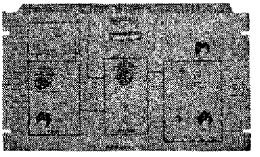

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# ABBREVIATIONS:

Addr.=Address
AD=Advertising
Adm.=Administration
Adv.=Advertisement
Ag.=Acting
Amat.=Amateurs
ALF=Annual License Fee
A.M.=Amplitude modulation
Ann.=Announcement
Ant.=Antenna
Approx.=Approximately
Apr.=April
Apt.=Apartado
Assoc.=Associate(ion)
Asst.=Assistant
Aug.=August
Av=Avenue, Avenida

B.P.=Boite Postale
Br.=British
Broadc.=Broadcast(ing)

C=Central
Ca.=Calle
Cas.=Casilla
Ch.=Channel
Chmn.=Chairman
Ci.=Ciudad
Co.=Company
Comm.=Commercial
Contr.=Controller
Corp.=Corporation
C.P.=Caixa Postal
Cra=Carrera
c/s=Cycles per second

D=Daily
d.=Directional aerial
Dec.=December
Def.=Definition
Dem.=Democratic
Dept.=Department
Dep.=Deputy
Dir.=Director
Dir. Gen.=Director General
Div.=Division
DX=Long distance

E.=English
Ea.=East
E. by R.=English by Radio
Ed.=Edificio
Educ.=Education, Educational
Emis.=Emisora
Equip.=Equipment
Eng.=Engineer, Engineering
ERP=Effective radiated power
exc.=Except
Exec.=Executive
exp.=Experimental

Feb.=February
Fed.=Federal
F.=French
F.I.=Financing
F.M.=Frequency modulation
F.PL.=Future plans
For Rel.=Foreign Relations
Fri=Friday
Freq.=Frequency

G.=German
G.C.=Geographical Coord nates*
Gen. Mgr.=General Manager
G.M.T.=Greenwich Mean Time
Gov.=Government
Gr.=Greek
h=Hour
H=Horizontal polarisation
Hqs.=Headquarters

I=Italian
incl.=including
Inf.=Information
Int.=International
Int. Sig=Interval Signal
I.p.s.=Inches per second
Isl.=Islands

Jan.=January

kc=Kilocycles
kHz=Kilohertz
kW=Kilowatt

L.P.=Leading Personalities
L=Language
L.N.=Local News
L.L.=Language Lessons
L.T.=Local Time

Man.=Managing
Mgr.=Manager
MHz=Megahertz
Miss.=Missionary
Mon=Monday
m.b.=Meter band
Mbg.=Mailbag
MW.=Medium Wave

N.=News
Nac.=Nacional
Nat.=National
Net.=Network
nd=non directional antenna
No.=North
Nov.=November

occ.=Occasionally
Oct.=October
Org.=Organisation

Pa.=Pacific
P.=Portuguese
Po.=Population
Pol.=Polarisation
P.R.=Peoples Republic
Pr.=Private
Prod.=Production
Pr.L.=Principal Languages
Pres.=President
Prgr.=Programme
Pub.=Publication

R=Radio
Rcvrs.=Receivers
Re.=Report
Rec.=Records
Red.=Red ffusion
Rdif.=Radiodiffusion
Reg.=Regional
Rel.=Relay(ing), Relations
Rlg.=Religious
Rep.=Republic
Rf.=Rundfunk
Rp.=Return postage required
Rus.=Russian

Sat=Saturday
Scc.=Service
sched.=Schedule
Secr.=Secretary
Sen=Senior
Sep.=September
So.=South
Soc.=Sociedad(e)
So. We.=South West
Sp.=Spanish
SSR=Sovjet Socialist Rep.
St.=Station
Str.=Street
Su.=Summer
Sun=Sunday
Superv.=Supervisor
SW.=Shortwave

Te.=Telephone
Techn.=Technical
Terr.=Territory
Thurs=Thursday
Tr.=Transmitter
Trop.=Tropical
Tues=Tuesday
T.V.=Television

UHF=Ultra High Frequency
Univ.=University

V=Vertical polarisation
V.=Verification
VHf=Very High Frequency

W=Weekdays
We.=West
Wed=Wednesday
Wi.=Winter
Wrp.=Weather report
* given in degrees and minutes.

**Abbreviations of broadcasting organizations, countries.**
ABC=Australian Broadc. Comm — AFN=American Forces Network — AFRTS=Armed Forces Radio and Television Sce — AIR=All India Radio — BBC=British Broadc. Corp — BCC=Broadcasting Corpo. of China — BFBS=British Forces Broadcasting Service — BFN=British Forces Network — BR=Bayrischer Rundfunk — BRT=Radiodiffusion Television Belge — CBC=Canadian Broadc. Corp — COPE=Cadena de Ondas Populares Española — DLF=Deutschlandfunk — DW=Deutsche Welle — FBS=Forces Broadc. Service — FCC=Federal Communications Commission — FEBC=Far East Broadc. Company — ITA=Independent Television Authority — NDR=Norddeutscher Rundfunk — NHK=Nippon Hoso Kyokai — NZBC=New Zealand Broadc. Corpo — OCORA=Office de Cooperation Radiophonique — ORTF=Office de Radiodiffusion Télévision Française — RAE=Radiodiffusion Argentina al Exterior — RAI=Radiotelevisione Italiana — RBI=R. Berlin International — REM=Red de Emisoras del Movimiento — RFE=Radio Free Europe — RIAS=Rundfunk in Am. Sector — RNE=Radio Nacional de España — RRI=Radio Republik Indonesia — RSA=Radio South Africa — RTB=Radiodiffusion Television Belge — SABC=So. African Broadc. Corpo — SBC=Swiss Broadc. Corpo — SDR=Süddeutscher Rundfunk — SEARV=South East Asia Radio Voice — SER=Sociedad Española de R.dif — SR=Saarländischer Rundfunk — SSS=Swiss Shortwave Service — SWF=Südwestfunk — TRT=Turkish Radio-Television Establishment — TWR=Trans World Radio — VOA=Voice of America — WDR=Westdeutscher Rundfunk — WNYW=R. New York Worldwide — UN=United Nations.
Af=Africa — Am=America — Au=Australia — As=Asia — Co=Congo — Czech=Czechoslovakia Socialist Rep — Eu=Europe — FE=Far East — ME=Middle East — NE=Near East — GB=Great Britain — G.D.R.=German Democratic Republic — N.Z.=New Zealand — UAR=United Arab Republic — UK=United Kingdom of Gt. Britain = USA=United States of America — USSR=Union of the Soviet Socialist Republics.

**Abbreviations of firms:** AKG=Akustische und Kino-Geräte G.m.b.H, Vienna — AWA=Amalgamated Wireless Australia Ltd — CFTH=Compagnie Française Thomson Houston Paris — GE=General Electric — L.G.T.=Laboratoire General des Telecommunications — NEC= Nippon Electric Company, Tokyo RCA=Radio Corporation of America — STC=Standard Telephone & Cables Ltd — T.C.A.=Telecommunications of Australia TRT—Télécommunications Radioélectriques et Téléphoniques, Paris.

**Special Abbreviations for Shortwave Listeners:**
**Q-Codes:** The following "Q" Codes, devised at the Cairo Convention of 1938, are used among shortwave enthusiasts listening to broadcasting stations (socalled DXers). QRG=Frequency; QRK=Readability; QRM=Interference (from other transmitters); QRN=Atmospheric interference (static); QRT=Close down; QSA=Signal strength; QSB=Fading; QSL=Verification (of reception); QTH=Location.
**The following abbreviations are generally used in club publications:**
BC=broadcast; BCB=Broadcast band, i.e. medium wave band; CW=Continuous Wave, i.e. morse code; HF=High Frequency; ID=Station Identification; IRC=International Reply Coupon; LA=Latin America; mx=music; nx=news; OM=Old Man, a general term of greeting; rx=Receiver; SSB=Single Side Band; SWL=Shortwave Listeners; Tnx=Thanks; tr=Transmitters; 73's=Best Wishes.


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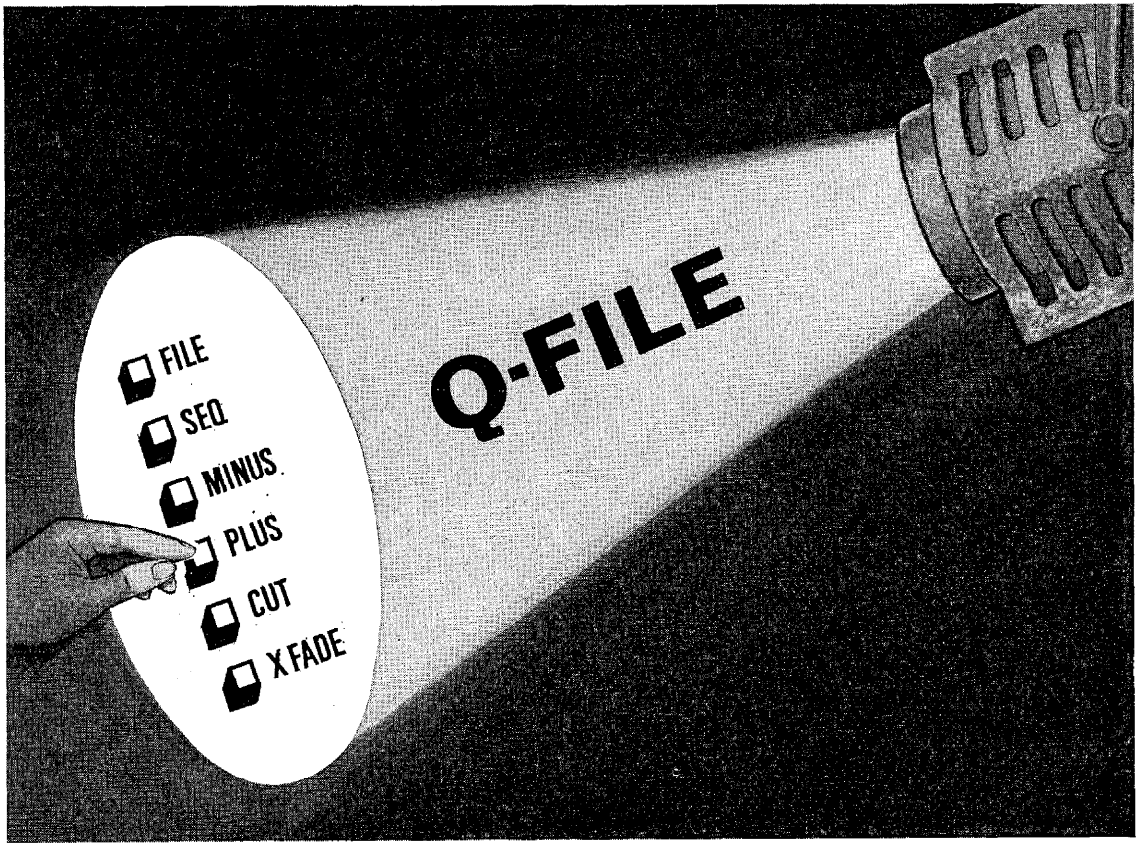


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**Addr:** Edinburgh House, 2 Eaton Gate, London S.W.1, England. **Cable:** Wachrib — **Exec. Dir:** Rev. E. H. Robertson. **Research Secr:** Rev. John Poulton. **Associate Exec. Dir's Office:** 150 route de Ferney, 1211 Geneva 20, Switzerland (Rev. C. Michael de Vries). **European Office:** Birkerstr. 22, 8 München 2, Germany (Kirchenrat R. Geisendörfer). **Chmn:** Bishop F. Birkeli, Norway. **Vice-Chmn:** Rev. K. D. Bhasker, India. **Treasurer:** Rev. Frederick R. Wilson, USA. **Secr:** William N. Haddad, Lebanon. **Regional Representatives:** Africa: E. Fashade, Nigeria. Asia: M. Ogawa, Japan. Latin America: Vacant. Near East: William N. Haddad, Lebanon. North America: Dr. H. Spencer, USA — **Official Journal:** "The Christian Broadcaster", Editor: Rev. H. H. Hoskins, London. German edition: "Medium", Editor: Christian Hoffman, München. Spanish edition in preparation **Membership:** Corporate and Personal.

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The Rev. C. Michael de Vries, Secretary of Work in the Field of Broadcasting, Dept. of Information. **Addr:** 150, route de Ferney, 1211 Geneva 20, Switzerland.

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Director: Rev. Sigurd Aske, Ph.D., 150 Route de Ferney, 1211 Geneva 20, Switzerland.

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**Secretariat** General: Rue de Romont 5, Case Postale 211, 1701 Fribourg, Switzerland.
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**ERA:** Evangelical Radio Alliance, 30 Bedford Place, London W.C.1, England. Secr: Rev. J. Hywel Davies.
**IBRA Radio Mission.** Box 821, Stockholm I, Sweden, Member organisation: IBRA Radio Federation is an intern. fed. of listeners. (See Sweden.)
**IKOR** (Ecumenical Society) Interkerkelijk Overleg in Radiooangelegenheden, Hilversum, Borneolaan 27.
**NCRV,** Nederlandsche Christelijke Radio Vereeniging, Schuttersweg 8, Hilversum.
**NOREA:** Nordic Radio Evangelistic Association. In connection with Norwegian Lutheran Mission. Cooperating with Trans World Radio, Monaco. Broadcasting over R. Monte Carlo. (See Norway and Finland.)
VRPO, Vrijzinnig Protestantse Radio-Omroep, Hilversum, Holland.
**Radio Reveil,** Action Chretienne par la Radio et la Presse, 2022 Bevaix (NE), Switzerland.

## AFRICA:

**CENTAVEP:** Centre des Techniques Audio-Visuelles de l'Eglise Presbytérienne Camerounaise, B.P. 187, Yaounde, Rép. Fédérale du Cameroun. Dir: D. Ako'o. (Is owned by the Cameroun Presbyterian Church, but helps the other Protestant Churches of the Federation.)
Service radiophonique de la Fédération protestante (same address). Dir: A. Pache. (Works in connection with the National Radio and "Radio Voice of the Gospel" in Addis Ababa.)

## AMERICA

**Trans World Radio:** Home Office, Box 98, Chatham, N.J, USA. President: Dr. Paul Freed. (Operates two radio stations in Monte Carlo, Monaco, and Bonaire, Netherlands Antilles.)
**National Religious Broadcasters, Inc,** an association of protestant national and international broadcasters on radio and TV. National Office: Dr. B. L. Armstrong, Executive Secretary, Box 308, Madison, N.J. 07940. President, Dr. E. R. Bertermann, 2185 Hampton Ave, St. Louis, Mo. 63139. NRB comprises over 200 religious broadcasting organizations consisting of stations and program producers. Sponsors conventions on national and regional areas (Eastern, Midwest and Western Chapters).
**International Christian Broadcasters,** an international service organization for those who use radio and television to proclaim the Gospel, and to encourage the use of these mass media throughout the world for the furtherance of the Gospel. Sponsors of national and international conferences. Addr: 4440 Saratoga, Downers Grove, Ill, USA. Pres: A. G. Thiessen. Exec. Secr: Richard Wolff.
**Lutheran Television Production,** a Board of the Lutheran Church-Missouri Synod, producing and distributing "This is the Life" and "Pattern for Living". Exec. Secr: Dr. M. J. Neeb, Jr. Prgr. Dir: Dr. H. W. Gockel, 210 No. Broadway, Saint Louis 2, Missouri.
**Difusiones Inter Americanas:** (DIA), an evangelical organization, established to produce, process, distribute and promote radio and tv. prgr's, recordings and audio visual aids for the evangelizing of Latin America — **Addr:** Apt. 2470, San José, Costa Rica.
**Latin America Mission,** 285 Orchard Terrace, Bogota, N.J. and Apt. 1307, San José, Costa Rica. Publ: "Radio Headlines".
**Central American Mission,** (operates TGNA, Guatemala), 3611 Congress Ave, Dallas, Texas.
**Centro Audio-Visual Evangelico** (CAVE). produces and distributes religious, educational and cultural audio-visual material, non-projected aids, filmstrips, slides, projectors, LP records, radio programs as well as dubbing of TV Films in Portuguese. Studios and filming laboratories are made available to other organizations upon request. Gen. Secr: Dr. William E. Haney, C.P. 943, Campinas, São Paulo, Brazil — Tracts, Bible study booklets, pamphlets, etc. are printed on off-set press for third parties.
**The Evangelical Alliance Mission,** P.O. Box 969 Wheaton, Ill. 60187, USA. Gen. Dir: V. Mortenson, Operates HLKX, Inchon, Rep. of Korea, PJA-6, Aruba, Neth. Antilles, OAZ, Lima, Peru.
**The Gospel Missionary Union.** Headquarters, Smithville, Mo. USA. Pres: Don P. Shidler. Publ: Gospel Message.
**West Indies Mission,** R.D. 1, Box 279 Homer City, Penn, USA, and 832 S.W. 23 Ave, Miami, Fla, USA — Dir. Gen: Rev. J. Allen Thompson. Dir. of Radio Haiti Field: Rev. David Hartt. Publ: "The Whitened Harvest". Is working in the West Indies and in South America.
**Broadcasting and Film Commission** NCCUSA. New York, USA. National Council of Churches of Christ in the USA, 475 Riverside Drive, New York 10027. Exec. Dir: W. F. Fore.
**RAVEMCCO,** New York, USA, Radio, Visual Education and Mass Communication Committee of the Division of Overseas Ministries of the National Council of the Church of Christ in the USA, 475 Riverside Drive, New York 10027, N.Y. Dir: Dr. B. M. Luben.
**Far East Broadcasting Co. Inc,** P.O. Box 1, Whittier, California. Pres: Robert H. Bowman. Private Comp. with offices in twelve countries. Publ: "FEBC Broadcaster" monthly. Operates st's in Manila (Philippines), Naha (Okinawa) & San Francisco (USA).
**The Lutheran Hour "Bringing Christ to Nations",** Saint Louis, USA. Sponsored by The Lutheran Laymen's League, 2185 Hampton Avenue, St. Louis, Missouri 63139. Exec. Dir: Eugene R. Bertermann.
**The Oriental Missionary Society and the Inter American Missionary Society.** P.O. Box A, Greenwood, Indiana 46142, USA. Pres: Dr. Eugene A. Erny, Dir. Haiti Field incl. allied missionary activities: E. Turnidge, Box 1, Cap Haitien, Haiti. Operates St: 4VEH, Cap Haitien, Haiti.

*(continued page 74)*

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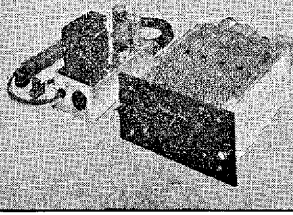

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**RELIGIOUS ORGANISATIONS** (from page 72)

**World Radio Missionary Fellowship:** HCJB-TV, Quito, Ecuador; HOXO, Panama, R.P, USA. Pres: Abe Van der Puy, P.O. Box 691, Miami, Florida. Operates Le Voz de los Andes HCJB Ecuador; No. American Headquarters P.O. Box 691, Miami, Florida 33147.

**Canadian Baptist Foreign Mission Board,** 190 St. George St., Toronto 5, Ontario, Canada. Gen. Secr: Dr. O. E. Daniel. Operates R. La Cruz del Sur, La Paz, Bolivia.

**ASIA AND PACIFIC:**

**The Near East Council of Churches:** Rev. Albert Isteero, General Secretary; Yacoub T. Hourani, Acting Secretary of the Radio Division; P.O. Box 5376, Beirut, Lebanon.

**Christian Broadcasting Association,** 420 Lyons Rd, Five Dock, Sydney, N.S.W, Australia 2046. Man. Dir. Rev. V. Turner. Radio prgr. production on behalf of Protestant Churches.

**Pacific Broadc. Ass.,** CPO Box 1000, Tokyo, Japan — **Chmn. of Board of Dir's:** A. Hatori. Gen. Dir: A. Seely. Mgr: B. Holritz.

**National Council of Churches Broadc. Network** (N.C.C.B.N). Head Office: P.O. Box 4148, Manila, Philippines. Dir. Gen: J. W. Matthews. St. Mgr: B. Magdamo. Operates st's DYSR/DYCR/DYH4/DYB4, Manila. Ag. Mgr: W. Matthews. Operates st's DZCH-AM/DZCH-FM.

**"South East Asia Radio Voice",** Serving Christian Councils of South East Asia through Broadcasting. Addr: P.O. Box 4148, Manila, Philippines. Exec. Dir: Constantino E. Bernardez.

**Broadcasting and Audio Visual Aids Committee of the East Asia Christian Conference**
(BAVACO), 4-13, Shibuya 4-Chome, Shibuya-Ku, Tokyo, Japan. Secr: M. S. Ogawa.

**"Audio Visual Evangelism Committee".** (Auxiliary Committee of the Hong Kong Christian Council). Providing Visual Aids and Broadcasting Studio services for the related churches. Addr: Metropole Building, 3/Fl, 57 Peking Road, Kowloon/Hong Kong Exec Dir: Rev. Thomas W. Lung.

**EPI:** Emetteur Protestant International (international evangelical radio station) P.O. Box 1374 — 3000 Berne, Switzerland. Planned: 1 sw.st. with 2 × 250kW tr's with prgr's in English, French, German, Spanish, Portuguese, Scandinavian & Dutch. Pub: EPI News Bulletin (Quarterly) in 7 languages.

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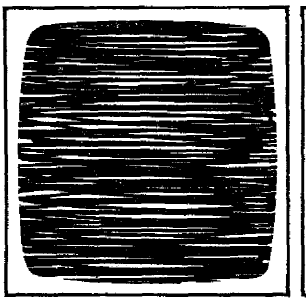
range, very
high definition
and perfect image stability.



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# AGFA-GEVAERT

# WORLD TIME IN ALL COUNTRIES

## DIFFERENCE BETWEEN LOCAL TIME AND GREENWICH MEAN TIME

The differences marked + indicate the number of hours ahead the G.M.T. Differences marked − indicate number of hours behind G.M.T

| | Normal clock Time | Summer Time |
|---|---|---|
| Aden | +3 | +3 |
| Afghanistan | +4½ | +4½ |
| Alaska[1] | −8 | −8 |
| Albania | +1 | +1 |
| Algeria | GMT | GMT |
| Andorra | +1 | +1 |
| Angola | +1 | +1 |
| Argentina | −4 | −3 (Oct-Feb) |
| Ascension Isl. | GMT | GMT |
| Australia | | |
| a) Victoria New South Wales, Queensland | +10 | +10 |
| Tasmania | +10 | +11 |
| b) N. Territory, S. Australia | +9½ | +9½ |
| c) W. Australia | +8 | +8 |
| Austria | +1 | +1 |
| Azores | −2 | −1 |
| Bahamas | −5 | −5 |
| Bahrein | +4 | +4 |
| Barbados (W.I.) | −4 | −4 |
| Botswana | +2 | +2 |
| Belgium | +1 | +1 |
| Bermuda | −4 | −4 |
| Bolivia | −4 | −4 |
| Brazil | | |
| a) Eastern and Coastal | −3 | −2a |
| b) Manaos | −4 | −3a |
| c) Acre | −5 | −4a |
| Brunei | +8 | +8 |
| Bulgaria | +2 | +2 |
| Burma | +6½ | +6½ |
| Burundi | +2 | +2 |
| Cambodia | +7 | +7 |
| Cameroon | +1 | +1 |
| Canada | | |
| a) Newfoundland | −3½ | −3½ |
| b) Atlantic (Labrador, Nova Scotia) | −4 | −3 |
| c) Eastern (Ontario) Quebec* | −5 | −4 |
| d) Central (Manitoba) | −6 | −5 |
| e) Mountain (Alberta) | −7 | −6 |
| f) Pacific (Br. Columbia) | −8 | −7 |
| g) Yukon | −9 | −8 |
| Canary Islands | GMT | GMT |
| Cape Verde Isl. | −2 | −2 |
| Central African Rep. | +1 | +1 |
| Ceylon | +5½ | +5½ |
| Chad | +1 | +1 |
| Chile | −4 | −4 |
| China | | |
| Peoples Rep. | +8 | +8 |
| Shanghai | +8 | +8 |
| Canton | +8 | +8 |
| Lhasa | +6 | +6 |
| Urumchi | +6 | +6 |
| Taipei | +8 | +9 |
| Colombia | −5 | −5 |
| Comoro Isl. | +3 | +3 |
| Congo, Rep. Kinshasa | +1 | +1 |
| Lubumbashi | +2 | +2 |
| Congo (Brazzaville) | +1 | +1 |
| Cook Isl. | −10½ | −10½ |
| Costa Rica | −6 | −6 |
| Cuba (W.I.) | −5 | −4 |
| Curacao | −4 | −4 |
| Cyprus | +2 | +2 |
| Czechoslovakia | +1 | +1 |
| Dahomey | +1 | +1 |
| Denmark | +1 | +1 |
| Dominican Rep. | −5 | −4½ |
| Ecuador | −5 | −5 |
| Egypt | +2 | +3 |
| El Salvador | −6 | −6 |
| Ethiopia | +3 | +3 |
| Falkland Islands | −4 | −3 |
| Faeroe Islands | GMT | GMT |
| Fiji Islands | +12 | +12 |
| Finland | +2 | +2 |
| France | +1 | +1 |
| Gabon | +1 | +1 |
| Gambia | GMT | GMT |
| Germany | +1 | +1 |
| Ghana | GMT | GMT |
| Gibraltar | +1 | +1 |
| Gilbert Isl. | +12 | +12 |
| Great Britain | GMT | +1 |
| Greece | +2 | +2 |
| Greenland | −3 | −3 |
| Guadeloupe | −4 | −4 |
| Guam | +10 | +10 |
| Guatemala | −6 | −6 |
| Guiana | −3½ | −3½ |
| Guiana (French) | −3 | −3 |
| Guinea | GMT | GMT |
| Guinea (Port.) | −1 | −1 |
| Guinea (Sp.) | +1 | +1 |
| Haiti (W.I.) | −5 | −5 |
| Hawaii | −10 | −10 |
| Holland | +1 | +1 |
| Honduras (Rep.) | −5 | −6 |
| Honduras (Brit.) | −5½ | −6 |
| Hong Kong | +8 | +9 |
| Hungary | +1 | +1 |
| Iceland | −1 | GMT |
| India | +5½ | +5½ |
| Indonesia | | |
| a) Java, Sumatra | +7 | +7 |
| b) Borneo, Celebes, Bali | +8 | +8 |
| c) Moluccas, We. Irian | +9 | +9 |
| Iran (Persia) | +3½ | +3½ |
| Iraq | +3 | +3 |
| Ireland (Eire) | GMT | +1 |
| Israel | +2 | +2 |
| Italy | +1 | +2 |
| Ivory Coast | GMT | GMT |
| Jamaica (W.I.) | −5 | −5 |
| Japan | +9 | +9 |
| Jordan | +2 | +2 |
| Kenya | +3 | +3 |
| Korea, Rep. | +9 | +9 |
| Korea,Dem.Rep. | +9 | +9 |
| Kuwait | +3 | +3 |
| Laos | +7 | +7 |
| Lebanon | +2 | +3 |
| Leeward Isl. | −4 | −4 |
| Lesotho | +2 | +2 |
| Liberia | −½ | −½ |
| Libya | +2 | +2 |
| Luxembourg | +1 | +1 |
| Macao | +8 | +8 |
| Madeira | −1 | GMT |
| Malawi | +2 | +2 |
| Malaysia | +7½ | +7½ |
| Malagasy Rep. | +3 | +3 |
| Maldive Isl. | +5½ | +5½ |
| Mali | GMT | GMT |
| Malta | +1 | +1 |
| Marshall Isl. | +12 | +12 |
| Martinique | −4 | −4 |
| Mauritania | GMT | GMT |
| Mauritius | +4 | +4 |
| Mexico[2] | −6 | −6 |
| Monaco | +1 | +1 |
| Mongolia | +8 | +8 |
| Morocco | GMT | GMT |
| Mozambique | +2 | +2 |
| Nepal | +5.40 | +5.40 |
| Neth. Antilles | −4 | −4 |
| New Caledonia | +11 | +11 |
| New Guinea | +10 | +10 |
| New Hebrides | +11 | +11 |
| New Zealand | +12 | +12 |
| Nicaragua | −6 | −6 |
| Niger | +1 | +1 |
| Nigeria | +1 | +1 |
| Niue | −11 | −11 |
| Norfolk Isl. | +11½ | +11½ |
| Norway | +1 | +1 |
| Oman | +4 | +4 |
| Pakistan | | |
| a) West | +5 | +5 |
| b) East | +6 | +6 |
| Panama | −5 | −5 |
| Papua | +10 | +10 |
| Paraguay | −4 | −4 |
| Peru | −5 | −5 |
| Philippines | +8 | +8 |
| Poland | +1 | +1 |
| Portugal | +1 | +1 |
| Puert.Rico(W.I.) | −4 | −4 |
| Reunion | +4 | +4 |
| Rhodesia | +2 | +2 |
| Rumania | +2 | +2 |
| Rwanda | +2 | +2 |
| Ryukyu Isl. | +9 | +9 |
| Sabah | +8 | +8 |
| Sahara (Sp.) | GMT | GMT |
| Samoa Isl. | −11 | −11 |
| S. Pierre | −3 | −3 |
| S. Tomé | GMT | GMT |
| Sarawak | +8 | +8 |
| Saudi Arabia | +3[3] | +3[3] |
| Senegal | GMT | GMT |
| Seychelles | +4 | +4 |
| Sharjah | +4 | +4 |
| Sierra Leone | GMT | GMT |
| Singapore | +7½ | +7½ |
| Solomon Isl. | +11 | +11 |
| Somalia | +3 | +3 |
| Somali (French) | +3 | +3 |
| So. Africa | +2 | +2 |
| Spain | +1 | +1 |
| Sudan | +2 | +2 |
| Surinam | −3½ | −3½ |
| Swan Islands | −6 | −6 |
| Swaziland | +2 | +2 |
| Sweden | +1 | +1 |
| Switzerland | +1 | +1 |
| Syria | +2 | +3 |
| Tahiti | −10 | −10 |
| Tanzania | +3 | +3 |
| Tasmania | +10 | +11 |
| Thailand | +7 | +7 |
| Timor | +8 | +8 |
| Togo | GMT | GMT |
| Tonga Islands | +13 | +13 |
| Trinidad(B.W.I.) | −4 | −4 |
| Tunisia | +1 | +1 |
| Turk&CaicosIsl. | −5 | −5 |
| Turkey | +2 | +2 |
| Uganda | +3 | +3 |
| Upper Volta | GMT | GMT |
| Uruguay | −3 | −3 |
| U.S.S.R. | | |
| Moscow, Leningrad | +3 | +3 |
| Baku | +4 | +4 |
| Sverdlovsk | +5 | +5 |
| Tashkent | +6 | +6 |
| Novosibirsk | +7 | +7 |
| Irkutsk | +8 | +8 |
| Yakutsk | +9 | +9 |
| Khabarovsk | +10 | +10 |
| Magadan | +11 | +11 |
| Petropavlovsk | +12 | +12 |
| Anadyr | +13 | +13 |
| U.S.A. | | |
| a) Eastern Zone | −5 | −4 |
| b) Central Zone | −6 | −5 |
| c) Mountain Zone | −7 | −6 |
| d) Pacific Zone | −8 | −7 |
| Vatican | +1 | +1 |
| Venezuela | −4 | −4 |
| Vietnam (Rep.) | +8 | +8 |
| Vietnam (Dem. Rep.) | +7 | +7 |
| Virgin Isl. | −4 | −4 |
| West Papua | +9½ | +9½ |
| Windward Isl. | −4 | −4 |
| Yemen | +3 | +3 |
| Yugoslavia | +1 | +1 |
| Zambia | +2 | +2 |

* exc. the watch shore and Gaspé regions: 5 h behind G.M.T.
a) Dec-March.

1) a) Ketchikan to Skagway −8
b) Skagway to 141°W. long −9
c) 140°W. long to 162°W. long −10
d) 162°W. long to Westernmost point (incl. Aleutians) −11
2) Generally −6
Lower Cal.
Pa. coast −7
No. part −8
3) Approx. (based on Sun Time)

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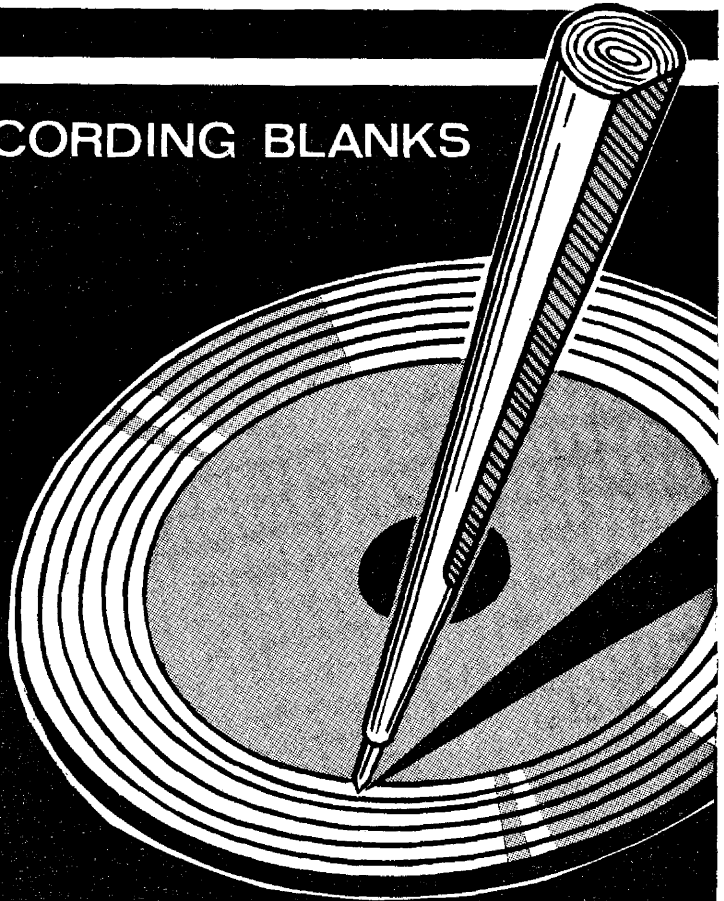

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---

**R. STATION WWV, WWVH, WWVB and WWVL (Gov.)**
St. WWV, Box 83-E, Route 2, Fort Collins, Colorado 80521, USA: Eng-in-charge L. Honea. St. WWVH, Box 578, Puunene, Maui ,Hawaii: Eng-in-Charge S. Katahara. WWVB/WWVL, Box 83-E, Route 2, Ft. Collins, Colo, USA: Eng-in-Charge R. F. Carle — **L.P:** Chief Freq. and Time Broadc. Sce's: D. H. Andrews, National Bureau of Standards, Boulder, Colo. 80302.
**Standard Radio Frequencies:**
WWV 2500kHz 2.5kW, 5000kHz 10kW, 10000kHz 10kW, 15000kHz 10kW. 20000kHz 2.5kW, 25000kHz 2.5kW: The broadc. are continuous, night and day, exc. from 45 min. to 49 min. past each h — WWVH 2500kHz 1kW, 5000kHz 2kW, 10000kHz 2kW, 15000kHz 2kW: Continuous exc. from 15 mn. to 19 min. past each h — WWVB 60kHz 13kW: Continuous — WWVL 20kHz 1.8kW: Continuous, except for exp. changes.
**Program:**
WWV transmits radio propagation forecasts in International Morse Code every 5 min's just preceeding the voice ann's; the IUWDS "Geoalert" is broadc. in International Morse Code each h from WWV during the 18th min. and from WWVH during the 48th min. Universal Time is ann. from st's in Intern. Morse Code each 5 min. Att WWV a voice ann. of Greenwich Mean Time is given each 5 min. as follows: "National Bureau of Standards, WWV, Fort Collins, Colo. Next tone begins at . . . hours, . . . minutes Greenwich Mean Time". At WWVH a voice ann. of Greenwich Mean Time is given each 5 min. as follows: "National Bureau of Standards, WWVH, Maui, Hawaii. Next tone begins at . . . hours, . . . minutes Greenwich Mean Time". WWVB transmits a special time code consisting of lodb carries reductions each second for 0.2, 0.5 or 0.8 sec. (Format on request). Transmitted phase will be advanced 45° for 5 min. each h between 10 min. and 15 min. after the hour. No special identification will be given. When WWVL identifies, call letters are given by keyed carrier in Intern. Morse Code on the h and every 20 min. thereafter. Immediately following identification, the freq. offset (parts in $10^{10}$) is given in Intern. Morse Code by keying the carrier, the word "minus" indicating the minus sign. V. by QSL-card or letter. **Pub:** Prgr. sched. on request. In addition to the 20kHz carrier other exp. freq's near 20kHz may be transmitted alternately or simultaneously.

**STATION LOL**
**Addr:** Observatorio Naval, Avenida Costanera Sur 2099, Buenos Aires, Argentina — **L.P:** Dir. Gen: J. E. Marpegán.
**Standard Freq. and Signals:** 5000 kHz 2 kW — 10000kHz 2kW 15000kHz 2kW: From 00.00 1st Sun. in Oct. to 00.00 1st Sun. in April: 11.00-12.00, 14.00-15.00, 17.00-18.00, 20.00-21.00, 23.00-24.00; From 00.00 1st Sun. in April to 00.00 1st Sun. in Oct: 12.00-13.00, 15.00-16.00, 18.00-19.00, 21.00-22.00, 00.00-01.00 — **Schedule:** 3 min dash (1000 or 440cs alternately) beginning at 00.00, 00.05, 00.10 etc. Then 3 x LOL in morse followed by "Observatorio Naval Argentina" followed by hrs & min's, preceding dash tone. T.S. transmission at min. 55-59 in each h — **V.** by QSL-card or letter. Re. wanted.

**STATION VNG — AUSTRALIAN POST OFFICE**
**Addr:** Station VNG, c/o Assistant Dir. Gen, Radio Section, Postmaster-General's Dept, 57 Bourke St, Melbourne C.1, Australia. **Cable:** "Gentel".
**Stations:** Lynhurst: 5425kHz 1kW: 12.00-12.30, 7515kHz: 12.00-22.30 (10kW), 22.30-12.00 (1kW) — 12005kHz 10kW: 22.30-12.00 — The st. has bursts of 1000c/s per second tone each second, exc. the 59th second of each min. Just before each h a recording is played: "This is an Australian Post Office time signal tr. from VNG in the 5.5, 7.5 or 12 MHz bands" — **V.** by QSL-card.

**MOUNT STROMLO OBSERVATORY**
**Addr:** Mount Stromlo Observatory, Australian National University, Box 4, P.O, Canberra, A.C.T, Australia. **Te:** Mt. Stromlo 511. **Cable:** Solarob — **L.P:** Chief Time Sce: H. J. M. Abraham. Sen. Techn. Officer: J. N. Boots.
**Stations:** VHP2 4286kHz/VHP3 6428.5kHz/VHP4 8478kHz/VHP5 12907.5kHz/VHP6 17256.8kHz (all 10kW): 00.25-00.30, 07.55-08.00, 13.55-14.00, 19.55-20.00; VHP7 22845kHz 00.25-00.30, 07.55-08.00.

**OBSERVATÓRIO NACIONAL, Brasil**
Originates time signals, which are broadcast by stations PPE & PPR.
**PPE: Addr:** Serviço da Hora, Observatorio Nacional, Rua Gen. Bruce 586, Rio de Janerio, GB ZC-08, Brasil — **L.P:** Chief Eng: C. G. Lacombe — **Station:** 8721kHz: 13.25-13.30, 20.25-20.30, 00.25-00.30.
**PPR: Addr:** Radio Rio, Av. Francisco Bhering, Arpoador, Rio de Janeiro, GB — **Stations:** 435, 8634, 13105, 17194kHz. 14.25-14.30, 21.25-21.30, 01.25-01.30.

**DOMINION OBSERVATORY, Canada**
**Addr:** 3 Observatory Crescent, Ottawa 6, Ontario, Canada. **Te:** 232-8211 — **L.P:** Adm: Dr. J. Hodgson. Dir. Tec: M. M. Thomson.
**Stations:** CHU 3330kHz 90.09m 3kW — 7335kHz 40.90m 3kW 14670kHz 20.45m 3kW — **T.S.:** Continuous by voice and seconds pulses — **Ann:** English: "CHU Canada, Eastern Standard Time". French: "CHU Canada, Heure normale de l'est" V. by QSL-card. Re. welcomed — **Pub:** Station information free.

**STATION CCV,CHILE**
**Addr:** Instituto Hidrográfico de la Armada, Casilla 324, Valparaiso —
**Stations:** 8558/12960kHz: 11.15-12.00, 13.55-14.00, 15.55-16.00, 21.55-22.00, 00.55-01.00.

**STANDARD FREQUENCY STATION OMA**
**Addr:** Budecska 6, Praha 2, Vinohrady, Czechoslovakia. **Te:** 258758 — **L.P:** Dir: B. Sternberk — **Stations:** OMA 50kHz 20kW: 24 h — OMA 2500kHz 1kW: 24 h — OLB5 3170kHz 8kW: 24 h — OLD2 18985kHz 30kW directed to F. East: Wed, Fri 12.45-1300 — **Ann:** In morse-code — **V.** by QSL-card. Re wanted.

**CENTRE NATIONAL D'ETUDES DES TELECOMMUNICATIONS**
**FFH: Addr:** 196, rue de Paris, 92 Bagneux, France. **Te:** 532-40-00. **L.P:** Chief Eng. Freq. Dept: P. la Maida. Chief Eng: B. Decaux.
**Station:** FFH 2500kHz 5kW: 08.00-16.25 (Mon-Fri) — **Ann:** in Morse on the 9th and 49th minute, in voice in the 10th, 30th and 50th minute followed by morse.

**BUREAU INTERNATIONAL DE L'HEURE**
**Addr:** 61 Avenue de l'Observatoire, Paris 14, France — **L.P:** Dir. B. Guinot — **Stations:** St. André de Corcy FTA91 91.15kHz 45kW: 08.00, 09.00, 09.30, 13.00, 20.00, 21.00, 22.30 Pontoise FTH42 7428kHz 6kW: 09.00, 21.00 — FTK77 10775kHz 6kW: 08.00, 20.00 — FTN87 13873kHz 6kW: 09.30, 13.00, 22.30 — **V.** by letter.

**ZLFS, LOWER HUTT, New Zealand**
**Addr:** Physics & Engineering Laboratory, Lower Hutt, New Zealand.
**Station:** 2500kHz 0.3kW: CW only Wed 01.00-04.00 — **Ann:** St. identification is made in morse code at the beginning and end of each tr.

**DCF77, MAINFLINGEN, Germany**
**Addr:** Physikalisch-Technische Bundesanstalt, Braunschweig, Bundesallee 100, Fed. Rep. of Germany. **Cable:** "Bundesphysik". **Te:** 5921 — **L.P:** Pres: Prof. Dr.-Ing. M. Kersten; Dir. of Dept. I: Prof. Dr. U. Stille; Dir. of Sect. IA: Prof. Dr. U. Adelsberger; Dr. Ohl, Dr. Süss — **Station:** DCF77 77.5kHz 12kW, nd transm. extends essentially from 06.45-10.35, 19.00-20.10 and around every full h until midnight. Call-sign DCF77 in morse-code, amplitude modulations 440 and 200 c/s. Interruptions every second (duration 50 ms). **Pub:** Prgr. sched. on

**GERMAN HYDROGRAPHIC INSTITUTE**
**Addr:** P.O. Box 220, 2 Hamburg-4, W. Germany. **Te:** 311121. **Cable:** Hydrodienst. **L.P:** Head Time Sce: Dr. H. Enslin.
Unmodulated timesignals at: 23.55-00.06 on DAN-2614kHz (2kW), DAO-2775kHz (2kW), DAM-6475.5kHz (5kW) (21/3-20/9), DAM-12763.5kHz (15kW) (21/3-20/9), DAM4265kHz (5kW) (21/9-20/3), DAM-8638.5kHz (10kW) (21/9-20/3): 11.55-12.06 on 2614, 2775, 8638.5, DAM-16980kHz (15kW).
DAM=Elmshorn; DAO=Kiel; DAN=Norddeich.

**GERMAN GEODETIC INSTITUTE**
**Addr:** DDR15 Potsdam, Telegrafenberg 17 — **L.P:** Dipl. Ing. L.G. Hemmleb — **Station:** Nauen (DIZ) 4525kHz 5kW: 09.45-08.15.

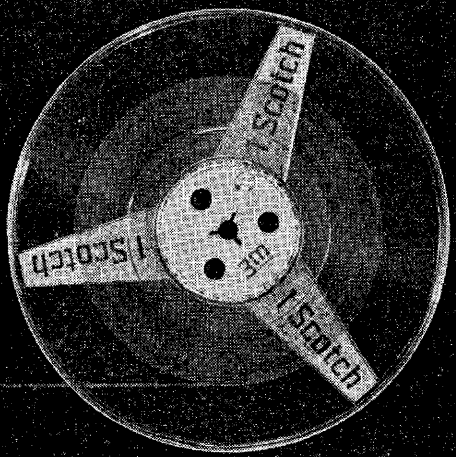
**NATIONAL PHYSICAL LABORATORY (Gov.)**
**Addr:** Teddington, Middlesex, Gt. Britain. **Te:** Ted. Lock 3222. **Cable:** Physics.
**MFS Standard Frequency Service:**

| kHz | m | kW | |
|---|---|---|---|
| 60 | 5000 | 10 | continuous† |
| 2500 | 120 | 0.5 | continuous† |
| 5000 | 60 | 0.5 | continuous† |
| 10000 | 30 | 0.5 | continuous† |

†continuous but tr. interrupted 6 times an h at mins 5-9½, 15-19½, 25-29½ etc.

*(continued page 80)*

## PROBLEM: SLOW THREADING




## SOLUTION: THIS NEW 3M SELF-THREADING TAPE REEL

Simply lay tape inside reel and start recorder. Reel threads itself automatically. No hooks, no slots, no hand winding. Solid sides protect tape against damage. "Scotch" Brand 7" Self-Threading Reel has a snap-tight plastic cover for dust-proof storing without a box.

## PROBLEM: TOO MUCH NOISE

## SOLUTION: NEW 3M DYNARANGE RECORDING TAPES

New "Scotch" Brand Tapes (in both acetate and polyester) increase signal-to-noise ratio 3db to 6db over conventional tapes. Improve high frequency response. Wear 15 times longer. Save tape because they operate at half your normal recording speed with no loss in fidelity.

**Scotch**® BRAND TAPES AND REELS are among scores of new 3M audio-video advances. More information? Write: 3M, Minnesota Mining & Manufacturing Co., International Division, Box 3800, St. Paul 1, Minnesota, U.S.A.

3M International Division
MINNESOTA MINING & MANUFACTURING CO.

# More than meets the ear.

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**RADIO NEW YORK WORLDWIDE**
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**NEW YORK 10022 USA**


**Ann:** Call sign given seven times in morse at minutes 9½-10, 19½-20, 29½-30 on the H.F. transmissions, and in the half minute preceeding the hour and half hour on the 60kHz transmission except between 14.30 and 15.30 when it is the same as the H.F. schedule — **V.** by letter.

**ROYAL GREENWICH OBSERVATORY**
**Addr:** Time Dept. Herstmonceux Castle, Hailsham, Sussex, England. **Te:** Herstmonceux 3171. **Cable:** Observer.
The international t.s's are radiated by GBR 16kHz (reserve: GBZ 19.6kHz) at 03.00, 09.00, 15.00 & 21.00 and on high freq's at 09.00 and 21.00.
The freq's used are selected according to current ionospheric predictions. Freq's available: GIC24 4025kHz, GAY25 5807kHz, GIC27 7397.5kHz, GPB30B 10331.5kHz, GIC33 13555kHz, GIC37 17685kHz (Powers: GBR 350kW, GBZ 250kW, others 15kW) — QSL-cards not available.

**ATA, NEW DELHI, INDIA**
**Addr:** National Physical Laboratory, New Delhi.
**Stations:** 10000kHz 2kW: 05.30-10.30.

**IAM, ROME, ITALY**
**Addr:** Istituto Superiore, Ministereo P.T. Rome.
**Station:** 5000kHz 1kW — All days exc. Sun 07.30-08.30.

**IBF, TURIN, ITALY**
**Addr:** Istituto Elettrotecnico Nazionale, Corso Massimo d'Azeglio 42, Torino. **Te:** 688773 — **Station:** 5000kHz 5kW: W 06.45-07.00, 08.45-09.00, 09.45-10.00, 10.45-11.00, 11.45-12.00, 12.45-13.00, 13.45-14.00, 14.45-15.00, 15.45-16.00, 16.45-17.00, 17.45-18.00 — **Ann:** "Emissioni di frequenze e tempo campioni dal l'Istituto Elettrotecnico Nazionale" — **V.** by letter.

**STATION JJY**
**Addr:** Radio Research Laboratories, Koganei, Tokyo, Japan. **Te:** (04.23) 81-1661 — **L.P:** Chief Freq. Standard Division: Y. Saburi — **Stations:** all 2kW nd, 24 h: 2500kHz — 5000kHz — 10000kHz — 15000kHz — All freq's are interrupted at 29-34 min. past each h. Mod. seconds pulses of 8 cycles of 1600c/s, and 1000c/s tone — **Ann:** At 34-35 min's & 59-00 min's in each h. identifying signals are tr. consisting of callsign in morse code (twice), time in JST once in morse code, callsign twice in voice, time in JST once in voice and grade of propagation warning in morse code — **V.** by QSL-card.

**TOKYO ASTRONOMICAL OBSERVATORY**
**Addr:** Mitakashi, Tokyo. **L.P:** Asst. Chief, Time Division: Dr. S. Iijima. **Station:** Oyama (Oyamashi, Tochigiken) JA22 16170kHz 10kW: D 12.25-12.30 directed to Europe.

**STATION OBC, PERU — Addr:** Estación Central de Comunicaciones Navales Radio, Callao, Perú. **Stations:** OBC 490/12307kHz: 15.55-16.00, 18.55-19.00, 00.55-01.00.

**REP. OBSERVATORY SOUTH AFRICA**
**Addr:** Republic Observatory, Johannesburg. **Te:** 43-2026. **Cable:** Astronomer — **L.P:** J. Hers — **Stations:** Call ZUO: Olifantsfontein 5000kHz 4kW — Johannesburg 10000kHz 0.25 kW — Johannesburg 100MHz 0.050kW directional: 24 h per day, exc. for interruptions 15 to 25 min. past each h.
**Time Signals:** Continuous second pulses, consisting of 5 cycles of 1000c/s tone. The minute pulse is prolonged to about ½ second — **Ann:** In morse code every 15 min's (just before each quarter hour): ZUO, ZUO, ZUO followed by the Universal time of the next minute — **V.** by letter will be answered if they are genuine reports.

**US NAVAL OBSERVATORY,** Navy Department, Washington, DC. 20390, USA. **L.P:** Dir. Time Sce. Div: G. M. R. Winkler. **VLF Time Signals** are aired from 55 to 60th min's as follows: **NSS** (Annapolis): each h on 21.4kHz. **NBA** (Canal Zone): each h exc. 23.55-24.00 on 24.0kHz — **HF Time Signals,** begin 5 min's before the hour & terminate on the h.
**NSS** (Annapolis): each h on 21.4kHz. NBA (Canal Zone): 1621kHz*, 5870, 9425, 13575, 17050.4, 23650kHz (* exc. Thurs 13.55 & 17.55 when on 121.95kHz) — **NPG** (San Francisco): 23.55, 05.55, 11.55, 17.55 on 114.95kHz, 4010, 6428.5, 9277.5, 12966, 17055.2, 22635kHz — **NPM** (Honolulu): 05.55, 11.55, 17.55 on 131.05kHz, 4525, 9050, 13655, 17122.4, 22593kHz — **NPN** (Guam): 23.55, 05.55, 11.55, 17.55 on 484, 4955, 8150, 13530, 17530, 21760kHz — **NBA:** 04.55, 09.55, 16.55, 22.55, on 147.85kHz, 5448.5, 11080, 17697.5, 22515kHc.


**THE DANISH SHORT WAVE CLUB INTERNATIONAL, Tavleager 31, 2670 Greve Strand, Denmark,** publishes **"SHORTWAVE NEWS"** (intern) and **"KORTBØLGENYT"** for Scandinavia (excl. July). Membership fee per year: D.Kr. 24.00, $ 4.00, £1/5/0, 27 IRC; airmail extra $ 2.25. Payment to K. H. Højlund, Tyge Brahesvej 47, 9000 Aalborg, Denmark.

The SM60 cannot be stereotyped—is equally at home in the studio or in the field—stand-mounted or hand-held—in uses as diverse as outdoor sporting events and elaborate variety shows. Small wonder that audio engineers have called it one of the most versatile omnidirectional dynamics they've ever encountered, for the SM60 is a unique combination of good-looks, strength, performance and economy.

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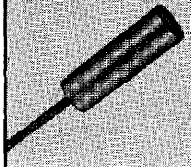
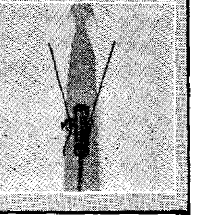
**SHURE SM60**

VERSATILE OMNIDIRECTIONAL DYNAMIC MICROPHONE

**THE LAST WORD IN WEARABLE LAVALIER MICROPHONES . . . BY SHURE**



Specifically designed for radio, TV, motion pictures . . . matches well in sound with stand or desk mounted units. Smoothly-contoured, machined-steel case and recessed grille for minimum clothing noise. Exclusive snap-in mounting of microphone for greater convenience, security. "Positive Lock" lavalier goes on in an instant—provides simple, noiseless position adjustment. Extra-flexible, kink-free rubber cable is easily replaceable.



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**MODEL SM51 DYNAMIC LAVALIER**

# BROADCASTS IN ENGLISH

*Prepared by Roger Legge, Etlan, Virginia, U.S.A.*

## TO EASTERN AND CENTRAL NORTH AMERICA

**Morning Broadcasts** *=winter frequency; **=summer frequency

| EST | GMT | Station | kHz |
|---|---|---|---|
| 6.00 AM | 11.00 | Bonaire, Neth. Antilles | 11820 |
| | | Stockholm, Sweden | 15240 |
| 6.15 AM | 11.15 | Melbourne, Australia | 9580, 11710 |
| 7.15 AM | 11.15 | Helsinki, Finland (Sat/Sun) | 15185 |
| | | Montreal, Canada | 9625, 11720 |
| 7.45 AM | 12.45 | Copenhagen, Denmark | 15165 |
| 9.00 AM | 14.00 | Prague, Czechoslovakia (Sun) | 15448, 17705, 21450 |
| | | Quito, Ecuador (HCJB) | 15115, 17890 |
| | | Stockholm, Sweden | 21585 |
| 10.00 AM | 15.00 | London, England | 15260, 21610 |
| **Afternoon Broadcasts** | | | |
| 3.00 PM | 20.00 | Accra, Ghana | 9760, 11850 |
| 4.00 PM | 21.00 | Hilversum, Holland | 11730, 15425 |
| 4.15 PM | 21.15 | London, England | *9580, 11780, **15260 |
| **Evening Broadcasts** | | | |
| 5.00 PM | 22.00 | London, England | *9580, 11780, **15260 |
| | | Moscow, USSR | *7290, 9665, 9685, **11735 |
| | | Oslo, Norway (Sun) | 11860 |
| 5.30 PM | 22.30 | Vilnius, USSR (Fri, Sun) | *7250, 9620, **11790 |
| 6.00 PM | 23.00 | London, England | 6110, 9580, 11780 |
| | | Montreal, Canada | 9625, 11715 |
| | | Moscow, USSR | *7205, 9665, 9685, **11735 |
| 6.30 PM | 23.30 | Johannesburg, So. Africa | **11875, 15220, *17805 |
| 6.45 PM | 23.45 | Tokyo, Japan | 15135, 17825 |
| 7.00 PM | 00.00 | London: England | 6110, 9580, 11780 |
| | | Moscow, USSR | *7205, 9665, 9685, **11735 |
| | | Oslo, Norway (Sun) | 9550, 11735 |
| | | Peking, China | 15060, 17680 |
| | | Sofia, Bulgaria | 9700 |
| | | Tirana, Albania | *7263, **11905 |
| 7.30 PM | 00.30 | Bonaire, Neth. Antilles | 11820 |
| | | Budapest, Hungary Africa | *6235, 9833, 11910, **15160 |
| | | Johanesburg, So. Africa | **9705, 11875, *15220 |
| | | Kiev, USSR (Mon/Thurs/Fri) | *7290, 9685, **11755 |
| | | Stockholm, Sweden | *5990, **11805 |
| 7.50 PM | 00.50 | Vatican City | *6145, 9690, 11760, **15285 |
| 8.00 PM | 01.00 | Berlin, Germany | *9675, 9730, **11890 |
| | | Havana, Cuba | 9525 |
| | | London, England | 6110, 7130, 9580, **11780 |
| | | Madrid, Spain | 6130, 9760 |
| | | Melbourne, Australia | 15320, 17840 |
| | | Moscow, USSR | *7205, 9665, 9685, **11870 |
| | | Peking, China | 15060, 17680 |
| | | Prague, Czechoslovakia | 5930, 7345, 9550, 11990 |
| | | Rome, Italy | *9575, 11810, **15410 |
| 8.30 PM | 01.30 | Berne, Switzerland | 6120, 9535, 11715 |
| | | Bucharest, Rumania | *6150, 9510, 11940, **15250 |
| | | Cairo, UAR | 9475 |
| | | Cologne, Germany | 9640, 11945 |
| | | Hilversum, Holland | 9590 (Bonaire relay) |
| | | Johannesburg, So. | **9705, 11875, *15220 |
| 8.45 PM | 01.45 | Copenhagen, Denmark | 9520 |
| 9.00 PM | 02.00 | Havana, Cuba | 9525 |
| | | Helsinki, Finland | 9585 |
| | | Lisbon, Portugal | 6025, 9680, 11935 |
| | | London, England | 6110, 7130, 9580, **11780 |
| | | Madrid, Spain | 6130, 9760 |
| | | Melbourne, Australia | 15320, 17840 |
| | | Moscow, USSR | *7205, 9665, 9685, **11870 |
| | | Peking, China | 15060, 17680 |
| | | Quito, Ecuador | 9745, 11915, 15115 |
| | | Stockholm, Sweden | *5990, **11805 |
| 9.30 PM | 02.30 | Beirut, Lebanon | 11925 |
| | | Berlin, Germany | *9675, 9730, **11890 |
| | | Johannesburg, So. Africa | 9705, 11875 |
| | | Tirana, Albania | 9715 |
| 10.00 PM | 03.00 | Bucharest, Rumania | *6150, 9510, 11940, **15250 |
| | | Budapest, Hungary | *6235, 9833, 11910, **15160 |
| | | Buenos Aires, Arg. (Mon-Fri) | 9690 |
| | | Havana, Cuba | 9525 |
| | | Lisbon, Portugal | 5985 |
| | | London, England | 6110, 7130, 9580, **11780 |
| | | Madrid, Spain | 6130, 9760 |
| | | Moscow, USSR | *7290, 9665, 0685, **11960 |
| | | Quito,Ecuador | 9745, 11915, 15115 |
| 10.30 PM | 03.30 | Bonaire, Neth. Antilles | 9690 |
| | | Prague, Czechoslovakia | 5930, 7345, 9550, 11990 |
| 11.00 PM | 04.00 | Havana, Cuba | *6135, 9525 |
| | | Lisbon, Portugal | 6025, 9680, 11935 |
| | | Moscow, USSR | *7290, 9665, 9685, **11960 |
| | | Quito, Ecuador | 9745, 11915, 15115 |
| | | Sofia, Bulgaria | 9700 |
| 11.30 PM | 04.30 | Bucharest, Rumania | *6150, 9510, 11940, **15250 |
| | | Budapest, Hungary | 6235, 9833, 11910, **15160 |
| | | Kiev, USSR (Mon/Thurs/Sat) | *7290, 9685, **11755 |
| 12.00Mdt. | 05.00 | Havana, Cuba | *6135, 9525 |
| | | Moscow, USSR | *7290, 9665, 9685, **11960 |

## TO WESTERN NORTH AMERICA

| PST | GMT | Station | kHz |
|---|---|---|---|
| 8.00 AM | 15.00 | Tokyo, Japan | 9505 |
| 9.00 AM | 16.00 | Stockholm, Sweden | 15240 |
| 4.00 PM | 00.00 | Oslo, Norway (Sun) | 11850 |
| 5.00 PM | 01.00 | Melbourne, Australia | 15320, 17840 |
| 6.00 PM | 02.00 | Melbourne, Australia | 15320, 17840 |
| | | Taipei, China | 11825, 15125, 17720 |
| | | Tokyo, Japan | 15135, 15235, 17825 |
| 6.30 PM | 02.30 | Johannesburg, So. Africa | 9705, 11875 |
| 7.00 PM | 03.00 | Madrid, Spain | 6130, 9760 |
| | | Moscow, USSR (via Khab) | 15180, 17760 |
| | | Peking, China | 11820, 15095, 17680 |
| | | Seoul, Korea | 15430 |
| | | Taipei, China | 11825, 15125, 17720 |
| 7.20 PM | 03.20 | Yerevan, USSR (via Khab) (Tues/Wed/Fri/Sat) | 15180, 17760 |
| 7.30 PM | 03.30 | Prague, Czechoslovakia | 5930, 7345, 9550, 11990 |
| | | Stockholm, Sweden | 11705 |
| 7.45 PM | 03.45 | Berlin, Germany | *9560, 9650, **11920 |
| 8.00 PM | 04.00 | Lisbon, Portugal | 6025, 9680, 11935 |
| | | Moscow, USSR (via Khab) | *9640, 11850, 15180, **17880 |
| | | Oslo, Norway (Sun) | 9550, 11850 |
| | | Peking, China | 11820, 15095, 17680 |
| | | Sofia, Bulgaria | 9700 |
| 8.15 PM | 04.15 | Bangkok, Thailand | 11910 |
| 8.30 PM | 04.30 | Bucharest, Rumania | *6150, 9510, 11940, **15250 |
| | | Budapest, Hungary | 6235, 9833, 11910, **15160 |
| | | Kiev, USSR (Mon/Thurs/Fri) | *7290, 9685, **11755 |
| 8.45 PM | 04.45 | Berlin, Germany | *9560, 9650, **11920 |
| | | Cologne, Germany | 9545, 11945 |
| 9.00 PM | 05.00 | Havana, Cuba | *6135, 9525 |
| | | Moscow, USSR (via Khab) | *9640, 11755, 11850, **15180 |
| 9.15 PM | 05.15 | Berne, Switzerland | *6120, 9695, **11715 |
| 10.00 PM | 06.00 | Buenos Aires, Arg. (Mon-Fri) | 9690 |
| | | Moscow, USSR (via Khab) | *9640, 11755, **15180 |
| 10.30 PM | 06.30 | Havana, Cuba | 9655 |
| 11.00 PM | 07.00 | Moscow, USSR | *9640, 11755, **15180 |

**BROADCASTS IN ENGLISH TO EUROPE**

| GMT | Station | kHz |
|---|---|---|
| 03.00 | Washington, U.S.A. | 7200, 9740, 11790 |
| 04.00 | London, England | 200, 7120, 9750, 11905 |
| | Washington, U.S.A. | 7200, 9740, 11790 |
| 05.00 | Washington, U.S.A. | 7200, 9740, 11790 |
| 05.45 | London, England | 647, 1295 |
| 06.00 | London, England | 7210, 9825, 11770, 15105 |
| | Washington, U.S.A. | 7200, 9740, 11790, 15295 |
| 06.30 | Colombo, Ceylon | 15330 |
| | Monte Carlo (TWR), Monaco | 7260 |
| | Tirana, Albania | 9715 |
| 06.45 | Melbourne, Australia | 9560, 11710 |
| 07.00 | Berne, Switzerland (W) | 6165, 9535 |
| | London, England | 7210, 9825, 11770, 15105 |
| | Moscow, USSR | 9710, 11890, 15360 |
| | Washington, U.S.A. | 7200, 9740, 11790, 15295 |
| 07.25 | Montreal, Canada | 5990, 9625 |
| 08.00 | Tokyo, Japan | 15135, 17825 |
| 11.00 | Stockholm, Sweden | 6065 |
| 12.00 | Moscow, USSR | 11830, 15480, 17765 |
| | Oslo, Norway (Sun) | 7240 |
| | Prague, Czechoslovakia | 9560, 11960, 15285 |
| 12.15 | Helsinki, Finland (Sat/Sun) | 9555, 11805, 15185, 17890 |
| | Montreal, Canada | 15325, 17820 |
| 13.00 | London, England | 9510, 11945, 15180 |
| 14.00 | Vatican City | 9645, 11740, 15120 |
| | Washington, U.S.A. | 5965 ,15205, 15290 |
| 15.00 | Washington, U.S.A. | 5965, 9760, 15205, 15290 |
| 15.30 | Belgrade, Yugoslavia | 11735, 15240 |
| 16.00 | New York (WNYW), U.S.A. | 17845, 21530 |
| | Washington, U.S.A. | 5965, 9760, 15205, 15290 |
| 17.00 | New York (WNYW), U.S.A. | 17845, 21530 |
| | Washington, U.S.A. | 5965, 9760, 11760, 15205 |
| 17.15 | London, England | 7230, 9510, 11750, 15310 |
| 17.30 | Berlin, Germany | 6080, 7185, 7300, 9730 |
| 17.45 | New Delhi, India | 7215, 11620 |
| 18.00 | Kabul, Afghanistan | 9635, 11800 |
| | London, England | 7230, 9750, 11750, 15310 |
| | New York (WNYW), USA | 17845, 21530 |
| | Washington, U.S.A. | 5965, 11760, 15205 |
| 18.10 | Helsinki, Finland (W) | 9555, 11805, 15185 |
| 18.15 | Vatican City | 7250, 9645, 11740 |
| 18.30 | Belgrade, Yugoslavia | 6100, 7200 |
| | Warsaw, Poland | 7125, 9525 |
| 18.45 | Quito (HCJB), Ecuador | 15325, 17880 |
| 19.00 | Djakarta, Indonesia | 9865 |
| | Hilversum, Holland | 6020, 9590, 11730 |
| | Johannesburg, South Africa | 21500, 25820 |
| | Luxembourg, Luxembourg | 1439, 6090 |
| | Moscow, USSR | 5980, 9710, 11830, 15170 |
| | New Delhi, India | 7215, 11620 |
| | New York (WNYW), U.S.A. | 15440, 17845 |
| | Prague, Czechoslovakia | 5930, 7345 |
| | Washington, U.S.A. | 5965, 11760, 15205, 15290 |
| 19.30 | Baghdad, Iraq | 6030, 6095 |
| | Bucharest, Rumania | 7195, 9590 |
| | Sofia, Bulgaria | 6070, 9560 |
| | Warsaw, Poland | 1502, 7125, 7285, 9525 |
| 19.35 | Rome, Italy | 6050, 7275, 9710 |
| 19.45 | Karachi, Pakistan | 11672, 15365 |
| 20.00 | Hilversum, Holland | 6020, 11730 |
| | Moscow, USSR | 1385, 9775, 11775, 15170 |
| | New Delhi, India | 7215, 9912, 11620 |
| | New York (WNYW), U.S.A. | 11805, 15440 |
| | Tehran, Iran | 11730, 15135 |
| | Tirana, Albania | 7263 |
| | Washington, U.S.A. | 5965, 11760, 15205 |
| 20.15 | Berlin, Germany | 6080, 7185, 7300, 9730 |
| | Lisbon, Portugal | 6025, 7130 |
| | Stockholm, Sweden | 6065 |
| 20.30 | Peking, China | 6290, 7080 |
| | Tokyo, Japan | 9700, 11965 |
| | Warsaw, Poland | 7145, 9675 |
| 20.45 | Accra, Ghana | 9545 |
| 21.00 | London, England | 6125, 7110, 11955, 15420 |
| | Moscow, USSR | 1493, 9710, 11945, 12060 |
| | New Delhi, India | 7215, 9912 |
| | New York (WNYW), U.S.A. | 9740, 11805 |
| | Washington, U.S.A. | 5965, 7205, 11760, 15205 |
| 21.05 | Jerusalem, Israel | 9625, 9725 |
| 21.15 | Bonaire (TWR), Neth. Antilles | 11775 |
| | Montreal, Canada | 11720, 15320, 17820 |
| 21.30 | Peking, China | 6290, 7080 |
| | Sofia, Bulgaria | 6070, 9560 |
| | Warsaw, Poland | 7125, 9525 |
| 21.45 | Cairo, U.A.R. | 9475, 12005 |


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MORE INFORMATION: SEE PAGE 151

| GMT | Station | kHz |
|---|---|---|
| 22.00 | Ankara, Turkey | 15160 |
| | Belgrade, Yugoslavia | 1268, 6100, 7200 |
| | Berlin, Germany | 6080, 6115, 7185, 9730 |
| | Moscow, USSR | 1385, 9710, 9775, 11830 |
| | New Delhi, India | 7215, 9912 |
| | Tirana, Albania | 1358, 7263 |
| | Washington, U.S.A. | 5965, 7205, 11760, 15205 |
| 22.30 | Bucharest, Rumania | 7195, 9570 |
| | London, England | 6125, 7230, 9825 |
| | Warsaw, Poland | 1502, 7285, 9540 |
| 23.00 | Berlin, Germany | 6080, 6115, 9730 |
| | Buenos Aires, Arg. (Mon-Fri) | 11715 |
| | Warsaw, Poland | 818 |
| 23.30 | Budapest, Hungary | 539, 3995, 6234 |
| | Stockholm, Sweden | 1178 |

**BROADCASTS IN ENGLISH TO AFRICA**

C=for Central Africa; E=for East Africa; W=for West Africa.

| GMT | Area | Station | kHz |
|---|---|---|---|
| 03.00 | E | London, England | 9410, 12095, 15420 |
| | E | Washington, U.S.A. | 5995, 7195, 9635, 9750 |
| 03.30 | | Melbourne, Australia | 15220, 17820 |
| 03.45 | C | Berlin, Germany | 11795 |
| 04.00 | | London, England | 9410, 9580, 12095, 15420 |
| | | Washington, U.S.A. | 5995, 7195, 7280, 9635 |
| 04.15 | E | Johannesburg, S. Africa | 15220, 17805 |
| 04.30 | E | Cologne, Germany | 9565 (via Kigali) |
| 04.45 | | Moscow, USSR | 9450, 15110, 17850 |
| 05.00 | E | Johannesburg, S. Africa | 9525, 11900 |
| | | London, England | 9410, 12095, 15420 |
| | | Washington, U.S.A. | 5995, 7195, 7280, 9750 |
| 05.15 | | Brazzaville, Congo Rep. | 5970, 9730, 11725, 15445 |
| 05.30 | | Addis Ababa (ETLF), Ethiopia | 11805 |
| 05.45 | W | Cologne, Germany | 11905 (via Kigali) |
| 06.00 | | Cologne, Germany | 11785, 15275 |
| | | London, England | 9410, 12095, 15070 |
| | | Monrovia (ELWA), Liberia | 11950 |
| | | Washington, U.S.A. | 5995, 7280, 9635, 9750 |
| 06.15 | W | Berlin, Germany | 11795 |
| | | Brazzaville, Congo Rep. | 5970, 9730, 11725, 15445 |
| 06.30 | | Moscow, USSR | 9450, 11930, 15350 |
| 06.45 | | Johannesburg, S. Africa | 15220, 17805 |
| 07.00 | | London, England | 9410, 9580, 11750, 15420 |
| | | Washington, U.S.A. | 5995, 9635, 9750 |
| 09.00 | | London, England | 15070, 17885, 21470, 25650 |
| 10.00 | | Berne, Switzerland | 15305, 17830, 21520 |
| | | Johannesburg, S. Africa | 11900, 15220, 17805, 21495, 25730 |
| | | London, England | 15070, 17885, 21470 |
| | | Vatican City | 17840, 21485 |
| 10.45 | E | Cologne, Germany | 11785 (via Kigali) |
| 10.50 | | Vatican City | 17840, 21485 |
| 11.00 | | Brazzaville, Congo Rep. | 11970, 15445 |
| | | Cologne, Germany | 15275, 17875, 21560 |
| | | London, England | 15070, 17705, 21470 |
| 12.00 | | Berlin, Germany | 21585 |
| | | Cologne, Germany | 17765 (via Kigali) |
| | | London, England | 15070, 17885, 21470, 25650 |
| | | Warsaw, Poland | |
| 12.15 | C | Berlin, Germany | 21585 |
| 12.30 | | Stockholm, Sweden | 21690 |
| 13.00 | | Brazzaville, Congo Rep. | 15190, 21500 |
| | | London, England | 15070, 17885, 21470, 25650 |
| | | Warsaw, Poland | 15275, 17800 |
| 13.15 | W | Berlin, Germany | 21555 |
| 13.30 | | Addis Ababa (ETLF), Ethiopia | 15315 |
| 14.00 | | London, England | 15070, 17705, 17885, 21470 |
| | | Washington, U.S.A. | 15360, 15445, 17875, 21670 |
| 14.15 | | Berlin, Germany | 21555 |
| 14.30 | | Moscow, USSR | 9470, 11755, 15200 |
| 14.45 | | Lagos, Nigeria | 7275, 11715, 15255, 15330 |
| 15.00 | | Accra, Ghana | 17910, 21545, 21720 |
| | | Bucharest, Rumania | 11810, 17850 |
| | | London, England | 15070, 17705, 17885, 21470 |
| | | Washington, U.S.A. | 11960, 15360, 17875, 21670 |
| 15.30 | | Moscow, USSR | 9630, 11755, 15375 |
| | W | Prague, Czechoslovakia | 11990, 15285, 17840, 21735 |
| 16.00 | E | Berlin, Germany | 17775, 17835 |
| | | Johannesburg, S. Africa | 9650, 11785 |
| | | London, England | 15070, 17885, 21470 |
| | | Peking, China | 7350, 9860 |
| | | Washington, U.S.A. | 11960, 15360, 15445, 21670 |
| 16.30 | | Vatican City | 15135 |
| 16.45 | | Accra, Ghana | 15285 |
| | | Cologne, Germany | 9735, 15275, 17845 |
| 17.00 | | Addis Ababa (ETLF), Ethiopia | 9560 |
| | | Lagos, Nigeria | 7275, 11715, 15255 |
| | | London, England | 12095, 15070, 17885, 21470 |
| | | Peking, China | 7350, 9860 |
| | | Washington, U.S.A. | 6035, 11960, 15360, 15445 |
| 17.10 | | Vatican City | 11705, 15135 |
| 17.30 | W | Prague, Czechoslovakia | 5930, 7345, 9630, 11990, 17840 |
| | | Tokyo, Japan | 7195, 9670 |
| 17.45 | W | Cologne, Germany | 17765 (via Kigali) |
| | | New Delhi, India | 15080 |
| 18.00 | | Addis Ababa (ETLF), Ethiopia | 15315 |
| | | Havana, Cuba | 11930 |
| | | Johannesburg, S. Africa | 21535, 25730 |
| | | Lagos, Nigeria | 7275, 11715, 15255 |
| | | London, England | 9410, 11860, 12095, 15070 |
| | | Taipei, China | 9685, 11725, 15125, 17890 |
| | | Washington, U.S.A. | 6035, 15360, 15445, 17875 |
| 18.15 | | Accra, Ghana | 15285 |
| | | Berne, Switzerland | 11775, 15305 |
| | | Lisbon, Portugal | 17880, 21495 |
| 18.30 | W | Beirut, Lebanon | 15350 |
| | | Montreal, Canada | 15320, 17820, 21595 |
| | | Moscow, USSR | 1313, 9785, 11755 |
| 19.00 | | Addis Ababa (ETLF), Ethiopia | 15315 |
| | | Hilversum, Holland | 9590, 11730 |
| | | London, England | 9410, 11860, 12095, 15070 |
| | | Sofia, Bulgaria | 11950, 15312 |
| | | Stockholm, Sweden | 15240 |
| | | Warsaw, Poland | 7285, 9675 |
| | | Washington, U.S.A. | 7195, 15445, 17875 |
| 19.15 | W | Berlin, Germany | 15200 |
| | | Brazzaville, Congo Rep. | 5970, 7105, 9730, 11930, 15190 |
| | | Copenhagen, Denmark | 15165 |
| | | Paris, France | 15245, 21580 |
| 19.30 | C | Cairo, U.A.R. | 17690 |
| | | Peking, China | 6550, 9440, 11695 |
| | | Moscow, USSR | 1313, 9785, 11900, 15230 |
| | | Vatican City | 11760, 15135 |
| 20.00 | | London, England | 7120, 9410, 12095, 15070 |
| | | Washington, U.S.A. | 7195, 15445, 17875 |
| 20.30 | | Moscow, USSR | 1313, 9785, 11930, 15230 |
| | | Peking, China | 6550, 9440, 11695 |
| 20.45 | W | Cairo, U.A.R. | 15135 |
| 21.00 | W | Johannesburg, S. Africa | 17805, 21535 |
| | | Lagos, Nigeria | 7275, 11715, 11900, 15120 |
| | | London, England | 7120, 9410, 12095, 15070 |
| | | Moscow, USSR | 1313, 9450, 11820 |
| | | Sofia, Bulgaria | 11765, 15310 |
| | | Washington, U.S.A. | 7195, 15445, 17875 |
| 21.30 | W | Hilversum, Holland | 15220 |
| 21.45 | | Cologne, Germany | 11925, 15275 |
| 22.00 | | London, England | 7120, 9410, 12095, 15070 |
| | | Warsaw, Poland | 7125, 7145, 9525, 11815 |
| | | Washington, U.S.A. | 6035, 7195, 15445 |
| 22.30 | | Moscow, USSR | 7230, 9450, 11850 |

**BROADCASTS IN ENGLISH TO OCEANIA**

AET=Australian Eastern Time. Add 2 hours for New Zealand time.

| AET | GMT | Station | kHz |
|---|---|---|---|
| 06.45 | 20.45 | New Delhi, India | 9912, 11820 |
| 07.00 | 21.00 | London, England | 7120, 9410, 12095 |
| | | Wellington, New Zealand | 15110, 17770 |
| 07.10 | 21.10 | Cologne, Germany | 7275, 9765 |
| 08.00 | 22.00 | London, England | 7120, 9410, 12095 |
| | | Manila (FEBC), Philippines | 17810 |
| | | New Delhi, India | 9912, 11820 |
| | | Vatican City | 7250, 9560 |
| | | Washington, U.S.A. | 17800, 21610 |
| 08.45 | 22.45 | Stockholm, Sweden | 9705 |
| 09.00 | 23.00 | Washington, U.S.A. | 17800, 21610 |
| 16.00 | 06.00 | London, England | 7150, 9640, 11955 |
| | | Wellington, New Zealand | 9520, 11780 |
| 17.00 | 07.00 | Berne, Switzerland | 9590, 11775 |
| | | London, England | 7150, 9640, 11955 |
| | | Melbourne, Australia | 7190, 9560, 11710 |
| | | Prague, Czechslovakia | 15310, 21450 |
| | | Quito (HCJB), Ecuador | 6050, 9745, 11915, 15115 |
| 17.30 | 07.30 | Hilversum, Holland | 9525, 9715, 11730 |
| | | Lisbon, Portugal | 17740, 21495 |
| 17.45 | 07.45 | Copenhagen, Denmark | 15165 |

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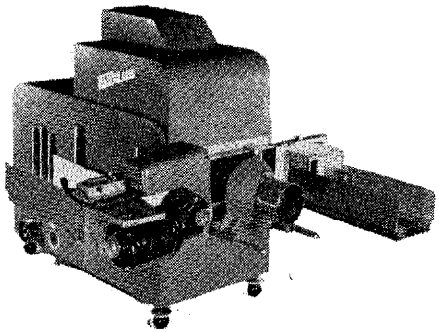

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*Staff Consultant: Frank Emanuel*


| AET | GMT | Station | kHz |
|---|---|---|---|
| 18.00 | 08.00 | London, England | 7150, 9640, 11955, 15070 |
| | | Oslo, Norway (Sun) | 9550, 11850 |
| 18.30 | 08.30 | Montreal, Canada | 5970, 9625 |
| | | Peking, China | 11720, 15060, 17835 |
| 18.45 | 08.45 | Cologne, Germany | 15275, 21650 |
| | | Melbourne, Australia | 7190, 9560, 11710 |
| | | United Nations, N.Y. (Sat) | 6075, 9740 |
| 19.00 | 09.00 | London, England | 11750, 15070, 17790, 21550 |
| | | Manila (FEBC), Philippines | 11855 |
| | | Quito (HCJB), Ecuador | 6050, 9745, 11915, 15115 |
| | | Tokyo, Japan | 11875, 15235 |
| | | Washington, U.S.A. | 6085, 9740 |
| | | Wellington, New Zealand | 9520, 11830 |
| 19.30 | 09.30 | Peking, China | 11720, 15060, 17835 |
| 20.00 | 10.00 | London, England | 11750, 15070, 17790, 21550 |
| | | New Delhi, India | 15165, 17705 |
| 20.30 | 10.30 | Taipei, China | 11825 |
| 21.00 | 11.00 | Djakarta, Indonesia | 9865 |
| | | London, England | 11750, 15070, 17790, 21550 |
| | | Moscow, USSR | 6050, 0955, 11690, 15140 |
| | | Washington, U.S.A. | 6085, 9740 |
| 21.30 | 11.30 | Moscow, USSR | 6020, 9540, 9755 |
| | | Vatican City | 17820, 21560 |
| 22.00 | 12.00 | Washington, U.S.A. | 6085, 9740 |
| 22.30 | 12.30 | Moscow, USSR | 6050, 9755, 11690, 15140 |
| | | Stockholm, Sweden | 9625 |
| 23.00 | 13.00 | Washington, U.S.A. | 6085, 9740 |
| 23.30 | 13.30 | Moscow, USSR | 6050, 9755, 11690, 15140 |

**BROADCASTS IN ENGLISH TO EAST ASIA**

JST=Japanese Standard Time.

| JST | GMT | Station | kHz |
|---|---|---|---|
| 06.00 | 21.00 | Melbourne, Australia | 15240, 17715 |
| | | Seoul, Korea | 9640 |

| JST | GMT | Station | kHz |
|---|---|---|---|
| 07.00 | 22.00 | Manila (FEBC) Philippines | 15385 |
| | | Melbourne, Australia | 15240, 17715 |
| | | Rome, Italy | 5990, 9710, 11905 |
| | | Ulan Bator, Mongolia | 9543, 11855 |
| | | Washington, U.S.A. | 7255, 17850, 21630 |
| 07.45 | 22.45 | New Delhi, India | 9615, 11965 |
| | | Stockholm, Sweden | 9705 |
| 08.00 | 23.00 | London, England | 6010, 7120, 9725, 11955 |
| | | Melbourne, Australia | 15240 |
| | | Washington, U.S.A. | 11920, 17850, 21630 |
| 16.00 | 07.00 | Prague, Czechoslovakia | 15310, 21450 |
| 16.45 | 07.45 | Copenhagen, Denmark | 15165 |
| 17.45 | 08.45 | Berne, Switzerland | 15135, 17830 |
| | | Cologne, Germany | 17845, 21650 |
| 18.00 | 09.00 | London, England | 11750, 11955, 17880 |
| | | Melbourne, Australia | 11765, 11810 |
| | | Washington, U.S.A. | 7165, 9565, 15345 |
| 19.00 | 10.00 | London, England | 11750, 21660 |
| | | New Delhi, India | 15105, 17800, 21615 |
| | | Washington, U.S.A. | 7165, 9565, 15345 |
| 19.30 | 10.30 | Seoul, Korea | 9640 |
| 20.00 | 11.00 | London, England | 11750, 15435, 21660 |
| | | Melbourne, Australia | 11765, 11810 |
| | | Washington, U.S.A. | 7165, 9565, 15345 |
| 20.45 | 11.45 | Manila (FEBC) Philippines | 11890 |
| 21.00 | 12.00 | London, England | 11750, 15435, 21660 |
| | | Melbourne, Australia | 11765, 11810 |
| | | Oslo, Norway (Sun) | 15175 |
| | | Washington, U.S.A. | 7165, 9565, 15345 |
| 21.30 | 12.30 | Stockholm, Sweden | 9625 |
| 22.00 | 13.00 | London, England | 15435, 17880, 21660 |
| | | Washington, U.S.A. | 7165, 9565, 15345 |
| 22.50 | 13.50 | Ulan Bator, Mongolia | 9543, 11855 |
| 23.00 | 14.00 | Washington, U.S.A. | 7165, 9565, 15345 |
| 00.00 | 15.00 | Washington, U.S.A. | 7165, 9565, 15345 |

**BROADCASTS IN ENGLISH TO SO & SO. EAST ASIA**

IST=Indian Standard Time; MT=Malayan Time.

| IST | MT | GMT | Station | kHz |
|---|---|---|---|---|
| 04.15 | 06.15 | 22.45 | Kuala Lumpur, Malaysia | 6100 |
| | | | Melbourne, Australia | 15220 |
| | | | New Delhi, India | 9740 |

| IST | MT | GMT | Station | kHz |
|---|---|---|---|---|
| 04.30 | 06.30 | 23.00 | Hanoi, Vietnam | 9830 |
| | | | London, England | 6150 |
| | | | Tokyo, Japan | 15195 |
| | | | Washington, U.S.A. | 9545 |
| 05.00 | 07.00 | 23.30 | Manila (FEBC), Phil. | 15385 |
| 05.30 | 07.30 | 00.00 | London, England | 6150, 7325, 9410, 11890 |
| | | | Melbourne, Australia | 15220, 17870 |
| | | | New Delhi, India | 9740, 11710 |
| | | | Tokyo, Japan | 15195 |
| | | | Washington, U.S.A. | 15210 |
| 06.00 | 08.00 | 00.30 | Karachi, Pakistan | 11885, 15335 |
| 06.30 | 08.30 | 01.00 | Manila (FEBC) Phil. | 15375 |
| | | | Melbourne, Australia | 17870, 21540 |
| | | | Tokyo, Japan | 15195 |
| | | | Washington, U.S.A. | 7275, 11835 |
| 07.00 | 09.00 | 01.30 | Colombo, Ceylon | 9670, 15230 |
| 07.15 | 09.15 | 01.45 | London, England | 6150, 7120, 9410, 9625 |
| 07.30 | 09.30 | 02.00 | Melbourne, Australia | 17870, 21540 |
| | | | Tokyo, Japan | 15195 |
| | | | Washington, U.S.A. | 7275, 11835 |
| 08.30 | 10.30 | 03.00 | Cologne, Germany | 9640, 11945 |
| | | | Melbourne, Australia | 17870, 21540 |
| | | | Tokyo, Japan | 15195 |
| | | | Washington, U.S.A. | 7275, 11835 |
| 09.30 | 11.30 | 04.00 | Melbourne, Australia | 17870, 21540 |
| | | | Tokyo, Japan | 15195 |
| 10.30 | 12.30 | 05.00 | Melbourne, Australia | 17870, 21540 |
| | | | Tokyo, Japan | 15195 |
| 10.45 | 12.45 | 05.15 | Stockholm, Sweden | 15240 |
| 11.30 | 13.30 | 06.00 | Melbourne, Australia | 17870, 21540 |
| | | | Tokyo, Japan | 15195 |
| 12.30 | 14.30 | 07.00 | Berlin, Germany | 21520 |
| | | | Melbourne, Australia | 17870, 21540 |
| | | | Tokyo, Japan | 15195 |
| 13.30 | 15.30 | 08.00 | Melbourne, Australia | 17870 |
| | | | Pyongyang, Korea | 6540, 15520 |
| | | | Tokyo, Japan | 15195 |
| 14.30 | 16.30 | 09.00 | London, England | 11750, 15070, 21660 |
| | | | Melbourne, Australia | 11880, 15220, 17870 |
| | | | Tokyo, Japan | 15195 |
| | | | Washington, U.S.A. | 15155 |
| 14.45 | 16.45 | 09.15 | Colombo, Ceylon | 17830 |
| 15.30 | 17.30 | 10.00 | Hanoi, Vietnam | 9760, 9830, 11840 |
| | | | London, England | 11750, 17790, 21660 |
| | | | Melbourne, Australia | 9570, 11880 |
| | | | Moscow, USSR | 11965, 15305, 17840, 21575 |
| | | | Tokyo, Japan | 11815 |
| | | | Washington, U.S.A. | 15155 |
| 16.30 | 18.30 | 11.00 | London, England | 11750, 15070, 15435, 21660 |
| | | | Manila (FEBC), Phil. | 15440, 17810 |
| | | | Melbourne, Australia | 9570, 11880 |
| | | | Moscow, USSR | 11965, 15140, 17850 |
| | | | Pyongyang, Korea | 6480, 7580 |
| | | | Tokyo, Japan | 11815 |
| | | | Washington, U.S.A. | 15155 |
| 16.45 | 18.45 | 11.15 | Kuala Lumpur, Malaya | 6100, 6175, 9750, 11900 |
| 17.00 | 19.00 | 11.30 | Moscow, USSR | 6050, 7280, 9540 |
| 17.25 | 19.25 | 11.55 | Vatican City (Tu/Th/Sat) | 11705, 15120 |
| 17.30 | 19.30 | 12.00 | Berlin, Germany | 17820, 21540 |
| | | | London, England | 11750, 15435, 21660 |
| | | | Melbourne, Australia | 9570, 11880 |
| | | | Peking, China | 1190, 1340, 9480, 11675 |
| | | | Tokyo, Japan | 11815 |
| | | | Washington, U.S.A. | 7105, 11835, 15155, 15285 |
| 18.00 | 20.00 | 12.30 | Colombo, Ceylon | 9670 |
| | | | Moscow, USSR | 6050, 7280, 9540 |

| IST | MT | GMT | Station | kHz |
|---|---|---|---|---|
| 18.30 | 20.30 | 13.00 | Cairo, U.A.R. | 17690 |
| | | | Hanoi, Vietnam | 9760, 9830, 11840 |
| | | | London, England | 11750, 15435, 21660 |
| | | | Melbourne, Australia | 9570, 11880 |
| | | | Paris, France | 15245, 17740 |
| | | | Peking, China | 1340, 9480, 11675, 15095 |
| | | | Tokyo, Japan | 11815 |
| | | | Washington, U.S.A. | 7105, 11835, 15155, 15285 |
| 18.45 | 20.45 | 13.15 | Berne, Switzerland | 15305, 17845, 21520 |
| 19.00 | 21.00 | 13.30 | Addis Ababa (ETLF), | 15410 |
| | | | Moscow, USSR | 6050, 7280, 9540 |
| | | | New Delhi, India | 11810, 15175 |
| 19.30 | 21.30 | 14.00 | Berlin, Germany | 17780 |
| | | | Copenhagen, Denmark | 15165 |
| | | | Kabul, Afghanistan | 7200 |
| | | | London, England | 6110, 7120, 9580, 11750 |
| | | | Melbourne, Australia | 9570, 11880 |
| | | | Peking, China | 6320, 7315, 9860 |
| | | | Pyongyang, Korea | 6480, 7580 |
| | | | Stockholm, Sweden | 15240 |
| | | | Tokyo, Japan | 11815 |
| | | | Washington, U.S.A. | 9615, 15285 |
| 19.45 | 21.45 | 14.15 | Ankara, Turkey | 17820 |
| 20.00 | 22.00 | 14.30 | Djakarta, Indonesia | 9865 |
| | | | Hilversum, Holland | 17810, 21480 |
| | | | Lisbon, Portugal | 17895, 21495 |
| 20.10 | 22.10 | 14.40 | Vatican City | 17880, 21560 |
| 20.30 | 22.30 | 15.00 | London, England | 6110, 7120, 9580, 11750 |
| | | | Melbourne, Australia | 9540, 11740 |
| | | | Moscow, USSR | 9685, 11785, 15295 |
| | | | Peking, China | 7315, 9860 |
| | | | Tokyo, Japan | 11815 |
| | | | Washington, U.S.A. | 9615, 15285 |
| 21.00 | 23.00 | 15.30 | Hanoi, Vietnam | 9760, 9830, 11840 |
| | | | Manila (FEBC), Phil. | 15235 |
| 21.20 | 23.20 | 15.50 | Cologne, Germany | 15275, 17875 |
| 21.30 | 23.30 | 16.00 | London, England | 6110, 7120, 9580, 11750 |
| | | | Melbourne, Australia | 9540, 11740 |
| | | | Moscow, USSR | 9685, 11860, 15295 |
| | | | Tokyo, Japan | 9605 |
| | | | Washington, U.S.A. | 9615, 15285 |
| 22.30 | 00.30 | 17.00 | London, England | 6110, 7120, 9580 |
| | | | Melbourne, Australia | 9540, 11740 |
| | | | Tokyo, Japan | 9605 |
| | | | Washington, U.S.A. | 7105, 11835, 15285 |

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# DX-PROGRAMMES

All prgr's are in English except where indicated.

**AUSTRALIA: R. Australia:** Sat 19.30, Sun 05.00, 07.30 (from 18.2), 09.00 (to 11.2), 12.00 (from 7.4), 13.00 (to 31.3), 15.30, Mon 02.15 — **Japanese:** "DX Times" Sun 10.45 — **R. St. 3NE:** Sun 12.35 "World at your Fingertips" conducted by Bob Padula, Australian Radio DX Club.

**BULGARIA: R. Sofia:** Fri 19.30, 21.30, Sat 00.00, 04.00 — **German:** 1st and 3rd Sun 20.00 — **French:** 1st Sun 21.00 — **Spanish:** 2nd Thurs 22.30, Fri 00.00.

**CANADA: Canadian Broadcasting Corporation:** "R. Canada Shortwave Club" Sat 12.35, 18.35, 21.30, 23.20, Sun 07.50 — **French:** Sat 19.50, 20.35 — **German:** Sun 18.00, 18.45 — **Spanish:** Thurs 00.30 — **Portuguese:** Sat 23.43.

**CZECHOSLOVAKIA: R. Prague:** Wed 12.00, 19.00, 23.05; To No. America: 2nd Fri (fortnightly) 01.00, 03.30, 07.00 (repeat for Far East and Australia). "Monitor Club" 4th Fri 01.00, 03.30, 07.00 — **German:** 1st Thurs 19.00, repeated following Thurs 08.00; For Austria: 3rd Sun 09.30, repeated following Tues 18.00.

**DENMARK: Voice of Denmark:** "The DX-Window" Sun 10.15 and repeated in all English broadcasts on Mondays: 01.45, 07.45, 12.45, 14.45, 19.15.

**ECUADOR: R. St. HCJB:** "DX Party Line", 1st and 3rd Tues of the month 02.30; 1st and 3rd Wed of month 09.30 — **Swedish:** Sat 09.30 — **German:** Sat 06.00, 20.00.

**FINLAND: Finnish Broadcasting Co:** Fri/Sat 16.00, 21.00, Sat/Sun 12.15 (presented by Finland's DX Club).

**GERMANY: "Deutsche Welle":** 2nd Mon/Tues 09.15, 15.20, 18.30, 19.45, 23.00, 01.00, 02.30, 04.15, 05.30.
**Radio Berlin International: "RBI-DX Club":** Mon/Tues 12.00, 12.15, 13.15, 13.30, 14.30, 15.15, 16.00, 17.30, 19.30, 20.15, 22.00, 01.00, 02.30, 03.30, 03.45, 06.15, 06.45, 11.15 — **German:** Mon 12.45, 14.00, Tues 00.45, 01.45, 04.15 — **Swedish:** Mon 17.00, 19.45 — **Italian:** Mon 16.30, 21.30.
**Sender Freies Berlin: German:** "Unser Kurzwellenbummel". every 4th Sat 22.45-23.00 and every 4th Sun 06.45-07.00 (repeat).

**GT. BRITAIN: BBC "World Radio Club":** Sat 07.45, Mon 02.45, Thurs 12.45, Fri 21.00.

**HAITI: R. 4VEH:** "DX-Corner" Thurs 03.00.

**HOLLAND: R. Nederland Wereldomroep:** "DX Jukebox" Thurs 07.42, 14.42, 19.12, 20.12, 21.12, 21.42, Fri 01.42.

**HUNGARY: R. Budapest:** Tues and Sat 21.30, Wed and Sun 00.30, 03.00, Wed and Fri 08.00, 10.15 — **German:** Wed (twice monthly) 13.30 and repeat following Sat 23.00; Fri (2nd and 4th) 17.00 — **Italian:** Thurs (2nd and 4th) 20.15.

**JAPAN: R. Japan:** "DX-News": Sun 10.25, 11.40, 16.40, 17.40, 3rd Sat/Sun 00.25, 02.40, 09.40 — Also in Swedish (Sun and Wed), Indonesian, Malay, Burmese, Korean, Russian, Japanese.

**KOREA (Rep.): KBS:** Last Thurs 03.15, 05.15, 06.15, 08.15, 10.45, 14.45, 21.15.

**MONACO: Norea Radio via Trans World Radio:** "Oss Lyttere imellom" in Norwegian every last Fri of the month 17.00 (produced by DX-Listeners Club, Norway, last Sat 10.30).

**NETHERLANDS ANTILLES: Trans World Radio:** "DX Special": Sun 03.35, Fri 12.05, 21.00.

**NEW ZEALAND: R. New Zealand:** "Arthur Cushens DX World", 1st Wed 06.45, 10.30 and repeated following Fri 14.15 and Sat 23.45.

**POLAND: Polskie Radio:** 2nd Fri 18.30 and following Mon 21.30 — **Swedish:** Thurs 20.00.

**PORTUGAL: Emissora Nacional:** "DX Club", Mon/Tues 07.45, 08.30, 14.00, 18.30, 21.00, 23.00, 02.15, 04.00, 04.15 — **German:** 1st and 3rd Fri 20.15, 23.45 — **French:** 1st and 3rd Thurs 17.45, 18.45, 22.15.

**RUMANIA: R. Bucharest:** Wed and Fri 19.30, 22.30, Thurs and Sat 01.30, 03.00, 04.30.
**SO. AFRICA: R. South Africa:** Thurs/Fri 19.20, 00.50, 01.50, 02.50, 03.50 — **German:** Fri 21.00.

**SWEDEN: R. Sweden:** Tues 11.20, 12.50, 14.20, 16.20, 19.20, 21.05, 23.05, 23.35; Wed 00.50, 02.20, 03.50, 05.35 — **French:** Tues 09.50, 15.20, 18.20; Wed 03.20, 06.05 — **German:** Wed 10.40, 17.40, 22.55 — **Spanish:** Thurs 21.50, Fri 00.20, 01.50 — **Portuguese:** Wed/Thurs 22.10, 00.40, 02.10 — **Russian:** Wed 08.50, 20.35, 22.35.

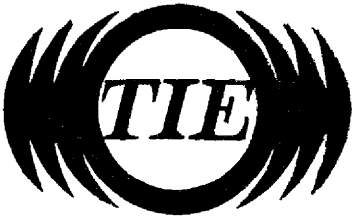
**SWITZERLAND: SBC European & Overseas Service:** "Swiss Short Wave Merry-Go-Round": Sat/Sun (all in English tr's) 07.50, 09.35, 10.50, 12.20, 14.05, 15.50, 19.05, 20.20, 02.20, 05.35.
**USA: R. New York World Wide:** Sat 17.35, Sun 19.35.
**USSR: R. Kiev:** "DX Club": Last Thurs/Fri of the month at 1900, 22.30, 00.30, 04.30 — **R. Tallinn: Swedish:** 2nd Mon 21.05.

# SET COUNT BY COUNTRY

*=Country with comm. radio and/or comm. television.

| Country | Po. | R. Rcvrs. | TV Rcvrs. |
|---|---|---|---|
| *Aden (Fed. of So. Arabia) | 1,250,000 | 100,000 | 20,000 |
| Afar and Issa | 80,000 | 5,000 | 100 |
| Afghanistan | 15,271,685 | 50,000 | — |
| Albania | 1,865,000 | 135,000 | 2,000 |
| Algeria | 12,000,000 | 480,000 | 50,000 |
| *Andorra | 14,408 | 3,575 | — |
| *Angola | 5,154,000 | 85,000 | — |
| *Argentina | 22,691,000 | 5,850,000 | 1,705,000 |
| *Australia | 12,000,000 | 2,538,040 | 2,405,350 |
| Austria | 7,130,000 | 2,163,572 | 929,927 |
| *Azores | 350,000 | 43,000 | — |
| *Bahamas | 160,000 | 22,500 | — |
| Bahrain | 185,500 | 51,000 | — |
| *Barbados | 250,000 | 55,200 | 9,100 |
| Botswana | 570,000 | 4,500 | — |
| Belgium | 9,556,380 | 3,110,000 | 1,629,700 |
| *Bermuda | 52,000 | 14,000 | 15,000 |
| *Bolivia | 3,697,500 | 305,000 | — |
| *Brazil | 82,000,000 | 5,500,000 | 5,000,000 |
| Brunei | 110,000 | 10,500 | — |
| Bulgaria | 8,284,000 | 2,201,391 | 186,000 |
| Burma | 25,246,000 | 340,000 | — |
| Burundi | 2,600,000 | 51,000 | — |
| Cambodia | 6,200,000 | 40,000 | 20,000 |
| Cameroon | 5,211,000 | 205,000 | — |
| *Canada | 20,000,000 | 12,050,000 | 5,700,000 |
| *Canary Islands | 1,250,000 | 130,000 | — |
| *Cape Verde Isl. | 220,000 | 4,000 | — |
| C. African Rep. | 1,353,000 | 33,000 | — |
| *Ceylon | 11,234,000 | 425,000 | — |
| Chad | 4,000,000 | 35,000 | — |
| *Chile | 8,567,000 | 1,360,500 | 90,000 |
| *Colombia | 18,000,000 | 2,200,000 | 380,000 |
| Comores Islands | 240,000 | 10,000 | — |
| Congo (Brazzaville) | 900,000 | 60,000 | 500 |
| Congo (Dem. Rep) | 15,627,000 | 50,000 | 500 |
| Cook Islands | 20,550 | 2,000 | — |
| *Costa Rica | 1,434,000 | 100,500 | 66,000 |
| Cuba | 7,631,000 | 1,315,000 | 575,000 |
| *Cyprus | 600,000 | 146,000 | 25,500 |
| Czechoslovakia | 14,194,158 | 3,830,000 | 2,530,000 |
| Dahomey | 2,500,000 | 40,000 | — |
| Denmark | 4,830,000 | 1,450,000 | 1,170,800 |
| *Dominican Rep. | 3,850,000 | 150,000 | 85,000 |
| *Ecuador | 5,084,000 | 200,000 | 50,000 |
| *El Salvador | 2,929,000 | 396,000 | 45,000 |
| Ethiopia | 22,600,000 | 127,000 | 3,200 |
| Faroe Isl. | 37,000 | 9,300 | — |
| *Fiji | 464,000 | 40,000 | — |
| Finland | 4,663,600 | 1,648,461 | 864,214 |
| France | 49,157,000 | 7,726,624 | 7,997,856 |
| Gabon | 4,612,000 | 50,000 | 1,000 |
| Gambia | 330,000 | 50,000 | — |
| *Germany (Fed. Rep.) | 59,872,000 | 18,446,734 | 13,404,197 |
| Germany (Dem. Rep.) | 17,000,000 | 5,782,000 | 3,385,000 |
| Ghana | 8,000,000 | 200,000 | 1,000 |
| *Gibraltar | 25,000 | 4,000 | 5,700 |
| Gilbert and Ellice Isl. | 50,000 | 1,700 | — |
| *Great Britain | 54,500,000 | 16,773,205 | 13,775,600 |
| Greece | 8,500,000 | 1,000,000 | 19,200 |
| Greenland | 39,500 | 6,250 | — |
| Guadaloupe | 295,000 | 15,664 | 2,750 |
| *Guam | 100,000 | 77,000 | 30,500 |
| *Guatemala | 4,438,000 | 210,000 | 61,000 |
| *Guiana | 680,000 | 136,000 | — |
| Guiana, Fr. | 35,000 | 2,779 | 100 |
| Guinea, Rep. | 4,010,000 | 80,000 | — |
| Guinea, Port. | 549,500 | 3,350 | — |
| Guinea, Sp. | 300,000 | 50,000 | — |
| Haiti | 4,660,000 | 75,000 | 10,000 |
| Hawaii | 773,609 | — | 154,900 |
| Holland | 13,000,000 | 2,783,624 | 2,400,000 |
| Honduras, Br. | 115,000 | 30,045 | — |
| *Honduras Rep. | 2,285,000 | 136,000 | 20,000 |
| *Hong Kong | 3,823,200 | 700,000 | 81,000 |
| Hungary | 10,100,000 | 2,500,000 | 1,095,421 |
| Iceland | 196,549 | 57,600 | 20,000 |
| India | 475,000,000 | 5,400,000 | 6,500 |
| Indonesia | 100,000,000 | 1,500,000 | 54,500 |
| *Iran | 23,428,000 | 1,700,000 | 131,000 |
| Iraq | 8,261,521 | 180,000 | 150,000 |
| Ireland | 2,881,000 | 538,800 | 305,000 |
| Israel | 2,750,000 | 610,000 | 30,500 |
| Italy | 53,458,208 | 11,403,634 | 7,508,621 |
| Ivory Coast | 3,750,000 | 65,000 | 5,500 |
| *Jamaica | 1,859,072 | 423,383 | 40,500 |
| *Japan | 99,920,000 | 21,967,594 | 19,624,624 |
| Jordan | 2,016,700 | 130,000 | 10,000 |
| Kenya | 9,365,000 | 500,000 | 14,000 |
| *Korea Rep. | 28,650,000 | 1,400,000 | 75,000 |

| Country | Po | R. Rcvrs. | TV Rcvrs. |
|---|---|---|---|
| Kuwait | 468,200 | 100,000 | 80,000 |
| Laos | 3,000,000 | 35,000 | — |
| *Lebanon | 2,600,000 | 451,000 | 170,000 |
| *Leeward Isl. | 175,000 | 5,500 | 2,500 |
| Lesotho | 860,000 | 2,650 | — |
| *Liberia | 1,250,000 | 151,000 | 3,500 |
| Libya | 1,617,500 | 75,000 | — |
| Luxembourg | 332,800 | 127,029 | 41,288 |
| *Macau | 180,000 | 6,500 | — |
| Madeira | 301,000 | 35,000 | — |
| Malagasy Rep. | 6,262,000 | 305,000 | — |
| Malawi | 4,025,000 | 83,000 | — |
| Malaysia | 9,384,000 | 367,000 | 80,000 |
| Mali | 4,580,000 | 30,000 | — |
| *Malta | 318,747 | 32,000 | 33,312 |
| Maldive Islands | 100,883 | 946 | — |
| Martinique | 300,000 | 27,032 | 4,500 |
| Mauritania | 1,000,000 | 25,000 | — |
| *Mauritius | 775,200 | 68,604 | 15,000 |
| *Mexico | 42,800,900 | 4,800,000 | 1,860,000 |
| *Monaco | 22,550 | 6,500 | 15,000 |
| Morocco | 13,330,000 | 800,000 | 37,500 |
| *Mozambique | 6,960,000 | 78,000 | — |
| Nepal | 9,550,000 | 46,000 | — |
| *Neth. Antilles | 208,000 | 105,000 | 17,500 |
| New Caledonia | 85,000 | 15,000 | 3,500 |
| New Hebrides | 66,500 | 3,100 | — |
| New Zealand | 2,712,300 | 659,400 | 518,000 |
| *Nicaragua | 1,700,000 | 105,000 | 25,000 |
| Niger | 3,357,500 | 75,000 | — |
| *Nigeria | 56,500,000 | 1,250,000 | 52,526 |
| Norfolk Island | 1,155 | 600 | — |
| Norway | 3,754,000 | 1,120,960 | 631,680 |
| Pakistan | 103,000,000 | 1,014,144 | 20,000 |
| *Panama | 1,246,500 | 225,000 | 77,000 |
| Papua & New Guinea | 2,000,000 | — | — |
| Paraguay | 2,030,000 | 160,500 | 10,000 |
| P.R. of China | 760,500,000 | 8,500,000 | — |
| *Peru | 11,650,000 | 1,800,000 | 275,000 |
| *Philippines | 33,500,000 | 1,230,000 | 190,000 |
| Poland | 32,000,000 | 5,584,300 | 2,700,000 |
| *Portugal | 9,170,000 | 1,208,000 | 260,030 |
| *Puerto Rico | 2,700,000 | 1,600,000 | 394,000 |
| Reunion | 420,000 | 57,000 | 10,000 |
| Rhodesia | 4,260,000 | 55,000 | 45,000 |
| Rumania | 19,150,056 | 2,865,000 | 577,000 |
| *Ryukyu Isl. | 940,000 | 240,000 | 131,000 |
| Sabah (Malaysia) | 540,100 | 39,675 | — |
| *Samoa | 145,000 | 15,000 | 1,500 |
| *São Tome | 65,000 | 6,000 | — |
| Sarawak (Malaysia) | 862,500 | 64,025 | — |
| Saudi Arabia | 8,000,000 | 77,000 | 35,000 |
| Senegal | 3,500,000 | 262,000 | 100 |
| Seychelles | 47,600 | 8,000 | — |
| Sierra Leone | 2,300,000 | 25,000 | 2,000 |
| Singapore | 1,930,000 | 175,126 | 92,763 |
| Solomon Isl. | 142,740 | 5,000 | — |
| Somalia | 2,525,000 | 40,000 | — |
| *So. Africa | 17,900,000 | 2,700,000 | — |
| *Spain | 32,800,000 | 5,000,000 | 2,325,000 |
| St. Pierre et Miquelon | 5,000 | 500 | 100 |
| Sudan | 13,550,000 | 17,500 | 11,000 |
| *Surinam | 350,000 | 65,000 | — |
| Swaziland | 390,000 | 10,500 | — |
| Sweden | 7,844,433 | 2,901,020 | 2,216,016 |
| Switzerland | 5,953,000 | 1,709,715 | 831,216 |
| Syria | 5,400,000 | 276,000 | 70,000 |
| Tahiti | 85,000 | 40,000 | 3,000 |
| *Taiwan | 13,512,700 | 1,365,400 | 160,000 |
| Tanzania | 11,000,000 | 125,000 | — |
| *Thailand | 30,561,000 | 2,766,000 | 210,000 |
| Timor | 517,200 | 2,272 | — |
| *Trinidad and Tobago | 990,500 | 168,500 | 35,500 |
| Togo | 1,617,000 | 31,000 | — |
| Tonga | 77,500 | 6,000 | — |
| Tunisia | 4,675,000 | 375,000 | 5,600 |
| Turk & Caicos Isl. | 6,600 | 1,100 | — |
| Turkey | 31,400,000 | 2,802,721 | 6,000 |
| *Uganda | 7,555,000 | 150,000 | 7,500 |
| United Arab Rep. (Egypt) | 30,000,000 | 4,260,000 | 475,000 |
| United States | 194,000,000 | 242,500,000 | 56,219,200 |
| Upper Volta | 5,000,000 | 70,000 | 525 |
| *Uruguay | 2,850,000 | 1,000,000 | 200,000 |
| USSR | 235,050,000 | 75,000,000 | 24,135,000 |
| Vatican State | 1,000 | — | — |
| *Venezuela | 8,876,000 | 1,675,800 | 650,000 |
| Vietnam Rep. | 16,000,000 | 375,000 | — |
| Vietnam (Dem. Rep) | 17,000,000 | 500,000 | — |
| *Virgin Isl. (American) | 55,000 | 31,000 | 18,000 |
| *Windward Isl. | 372,000 | 25,000 | — |
| Yugoslavia | 20,000,000 | 3,102,952 | 886,810 |
| Zambia | 3,780,000 | 51,000 | 15,500 |
| Zanzibar (Tanzania) | 325,000 | 12,500 | — |

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Abbreviations see page 70: 1=Sun only; 2=Sat only; 3=Tues, Thurs, Sat; 4=Mon-Fri; 5=Mon only; 6=Tues-Sat; 7=Mon, Wed, Fri; 8=W. only; 9=Fri only; 10=Mon, Wed, Sat; 11 = Tues, Thurs, Sun; 12=Fri & Sun; 13=Mon-Thurs; 14=Wed.

00.00 AFRTS
BBC
Japan
Moscow
Norway5
Peking
VOA
00.15 R.Australia
00.20 R. Nederland8
00.22 RSA
00.30 AFRTS
Albania
Budapest
Kiev11
RSA
Sweden
00.35 Japan
Bonaire
00.45 Cambodia1
New Zealand
Pakistan
01.00 AFRTS
AIR
CBC
Cuba
Japan
Moscow
Peking
Prague
RBI
Rome
RNE
VOA
01.22 RSA
01.30 AFRTS
Albania
R. Australia
Bucharest
FEBC
R. Nederland8
RSA
SBC
01.32 DW
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Moscow
Peking
RNE
Sweden
VOA
02.03 BCC
02.22 RSA
02.30 AFRTS
R. Australia
BCC
Lebanon
Moscow
RBI
RSA
02.50 Japan
02.55 FEBC1
BCC
03.00 AFRTS
Albania
BBC
Bucharest
Budapest
Japan
Moscow
Peking
RNE
Seoul
VOA
03.02 Argentine
DW
03.20 BCC
03.22 RSA
03.30 AFRTS
Bonaire
CBC1
Cuba
Moscow
Prague
03.30 RBI
Sweden
03.45 R. Australia
Lisbon
RBI
03.50 Rome
04.00 AFRTS
R. Australia
BBC
CBC
FEBC
Japan
Lisbon
Moscow
Norway5
Peking
Pyongyang
Sofia
VOA
04.15 RSA8
04.25 R. Thailand
Rome
04.30 AFRTS
Albania
Bucharest
Budapest
Kiev11
Moscow
Pakistan
RSA8
04.32 DW
04.45 R. Australia
S.B.C
Moscow
04.47 DW
KGEI4
05.00 AFRTS
R. Australia
BBC
CBC
Japan
Moscow
RSA8
Seoul
VOA
05.15 Brazzaville
RSA8
Sweden
05.30 AFRTS
ETLF
Moscow
05.45 UN6
05.47 DW
06.00 AFRTS
R. Australia
BBC
CBC
ELWA
Japan
Moscow
Seoul
VOA
06.02 Argentine
DW
06.15 RBI
Brazzaville
06.22 UN6
06.30 AFRTS
Albania
Cuba
Moscow
UN6
06.45 RBI
RSA8
07.00 AFRTS
R. Australia
BBC
CBC
ELWA
Japan
Malaysia
Moscow
New Zealand
Prague
SBC
VOA
07.10 ELWA
R. Athens8
07.30 AFRTS
07.30 CBC
Lisbon
R. Nederland8
Warsaw
08.00 AFRTS
Budapest14
Japan
Norway5
Pyongyang
Seoul
08.15 Lisbon
08.30 AFRTS
CBC
Malaysia
Pakistan
Peking
08.45 R. Australia
SBC
08.47 DW
09.00 AFRTS
R. Australia
BBC
FEBC
Japan
Pakistan
VOA
09.02 RRI
09.15 Ceylon
09.30 AFRTS
Peking
09.50 Japan
10.00 AFRTS
AIR
R. Australia
R. Hanoi
Japan
Moscow
New Zealand
SBC
VOA
UN6
10.15 Budapest9
Japan
10.30 AFRTS
Seoul
R. Thailand
10.45 UN6
10.47 DW
11.00 AFRTS
Albania
R. Australia
BBC
Brazzaville
FEBC
Japan
Moscow
Pyongyang
Sweden
VOA
11.15 Pakistan
RBI
RRI
RSA
11.30 AFRTS
R. Australia
Moscow
Japan
SBC
11.45 FEBC
12.00 AFRTS
R. Australia
Prague
Japan
Moscow
Norway1
Peking
RBI
Tashkent
Warsaw
VOA
12.02 DW
12.05 Bonaire
12.15 CBC
RBI
12.30 AFRTS
R. Australia
Moscow
Sweden
12.50 FEBC8
13.00 AFRTS
R. Australia
BBC
Brazzaville
Bucharest
Hanoi
Japan
Peking
Paris
Warsaw
VOA
13.15 Cairo
RBI
SBC
13.30 AFRTS
ETLF
Ghana
Moscow
RBI
13.35 Pakistan
13.40 R. Athens
13.45 Lisbon
13.50 Mongolia
14.00 Afghanistan
Albania
AFRTS
R. Australia
BBC
Ghana
Japan
Norway1
Peking
Prague1
Pyongyang
Sweden
Tashkent
VOA
14.02 HCJB
14.15 Ankara
14.30 AFRTS
RBI
R. Nederland8
Seoul
14.45 RRI
15.00 AFRTS
R. Australia
Bucharest
Ghana
Japan
Moscow
Nigeria
Peking
SBC
VOA
15.15 RBI
15.16 CBC
15.30 AFRTS
Albania
Belgrade
FEBC
Hanoi
Moscow
Prague
15.52 DW
16.00 AFRTS
R. Australia
BBC
ELWA
Ghana
Japan
Moscow
Norway1
Peking
RBI
RSA
Sweden
VOA
16.10 ELWA
16.15 Syria
16.30 AFRTS
Albania
Japan
16.32 CBC
16.45 Ghana
16.47 DW
16.52 RSA
16.55 ETLF
17.00 AFRTS
R. Australia
17.00 ETLF
Ghana
Japan
Nigeria
Peking
R. New York4
RSA
VOA
WINB4
17.15 BBC
Cairo
17.30 AFRTS
Albania
Japan
Prague
RBI
17.47 DW
17.52 RSA
18.00 Afghanistan
AFRTS
AIR
R. Australia
BBC
ETLF
Ghana
Japan
Norway1
R. New York1,2
RSA
Tanzania
UN4
VOA
18.03 BCC
18.15 Ghana
Lisbon
SBC
18.30 Abidjan
AFRTS
Albania
BCC
Belgrade
Lebanon
Moscow
UN4
Warsaw
18.32 R. Athens
18.33 CBC
18.52 RSA
19.00 AFRTS
AIR
R. Australia
ETLF
Japan
Kiev10
Moscow
R. Nederland8
Pakistan
Prague
Pyongyang
R. New York4
RSA
Warsaw
Sweden
VOA
19.02 DW
19.05 Sofia
19.15 Brazzaville
Paris
RRI
19.30 AFRTS
Albania
Baghdad
Bucharest
Moscow
Peking
RBI
R. Lubumbashi
SBC
Sofia
Warsaw
19.35 Rome
19.45 R. Athens
19.52 RSA
20.00 AFRTS
AIR
Belgrade
R. Australia
BBC
Ghana
20.00 Iran
Japan
Moscow
R. Nederland8
R. New York2
Norway1
Pakistan
VOA
WINB8
20.10 Cuba
Cairo
Israel
RBI
20.20 RNE
20.25 Rome
20.30 AFRTS
Albania
Japan
Moscow
Peking
Warsaw
20.45 Ghana
Cairo
Lisbon
Sweden
20.50 Cuba
21.00 AFRTS
AIR
R. Australia
BBC
CBC1,2
Ghana
Japan
Moscow
R. Nederland8
Nigeria
R. New York4
RSA
Seoul
VOA
21.05 Sofia
21.12 DW
21.15 Israel
21.30 AFRTS
Budapest
CBC4
Peking
R. Nederland8
Sofia
Warsaw
21.45 Cairo
R. Australia
R. New York4
21.47 DW
21.52 RSA
22.00 AFRTS
AIR
Albania
Algeria
Ankara
BBC
Ghana
Japan
Mongolia
Moscow
Norway1
RBI
Rome
22.02 R. Athens
Warsaw
VOA
22.30 AFRTS
BBC
Bucharest
KGEI4
Moscow
Vilnius12
22.45 R. Australia
Sweden
23.00 AFRTS
AIR
R. Australia
BBC
Hanoi
Japan
Moscow
RBI
VOA
23.01 CBC



continued page 93

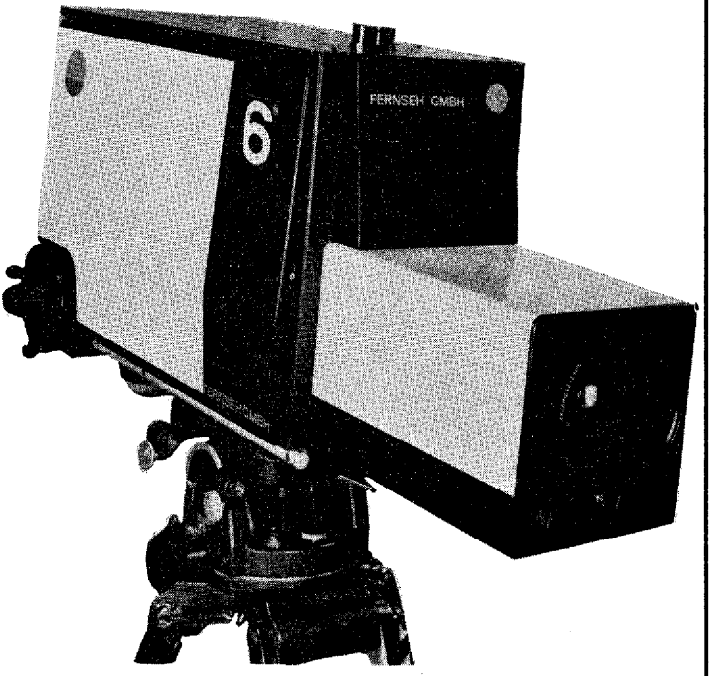
# TV STUDIO EQUIPMENT

## COLOUR AND MONOCHROME

**IN TV-STUDIOS THROUGHOUT THE WORLD**

**Known for Quallty and Reliability**

Aarhus
Adelaide
Amsterdam
Ankara
Aruba
Baden-Baden
Bangkok
Barcelona
Berlin
Bern
Bilbao
Bogota
Bonn
Bremen
Brisbane
Brussels
Budapest
Buenos-Aires
Bulawayo
Bussum
Caracas
Cologne
Copenhagen
Curacao
Frankfurt
Genf
Göteborg
Hamburg
Hannover
Helsinki
Hobart
Innsbruck
Karatschi
Khartum
Kitwe
Kuala Lumpur
Lima
Lisbon
Luxemburg
Madrid
Mainz
Malmö
Melbourne
Milan
Munich
New Delhi
New York
Oslo
Paramaribo
Perth
Porto
Raisting
Rawalpindi
Rome
Rosario
Saarbrücken
Salisbury
Santiago
Skopje
Sydney
Stockholm
Stuttgart
Tampico
Townsville
Turin
Vienna
Wiesbaden
Zürich




Typ KC 4 P 40 Television Colour Camera

CAMERAS - FILM- AND SLIDE SCANNERS - MAGNETIC AND KINESKOPE RECORDERS - OB-VANS - MIXING, DISTRIBUTING, MEASURING AND AUXILIARY EQUIPMENT FOR TV-STUDIOS - IMAGE ORTHICONS - PHOTOMULTIPLIERS - CLOSED CIRCUIT SCIENTIFIC AND INDUSTRIAL EQUIPMENT.

# FERNSEH GMBH

Member of the BOSCH Group

**6100 DARMSTADT GERMANY - P.O. BOX 429 - TELEGR.: FERNSEH DARMSTADT**

EUROPE
1:20 Mill.
KM
100 0 100 200 300 400 500
ICELAND
HÖFN
AKUREYRI
ICELAND
KEFLAVIK
REYKJAVIK
EIDAR
TROMSO
FINNMARK
MURMANSK
KALIXPÄÄ
ARKHANGELSK
White Sea
SAMMALTUNTURI
NARVIK
PYHÄTUNTURI
PELLO
TAIVALKOSKI
KIRUNA
ROVANIEMI
BODÖ
LULEÅ
OULU
KAJAANI
YLIVIESKA
KOLI
JOENSUU
FINLAND
KOKKOLA
KUOPIO
PETROSAVODSK
PIETARSAARI
IVANOVO
UMEÅ
VAASA
SAVONLINNA
ÖRNSKÖLDSVIK
ÄHTÄRI
MIKKELI
IMATRA
SOVIET
NAMSOS
ÖSTERSUND
KRISTIINA
LAHTI
LENINGRAD
TRÖNDELAG
SUNDSVALL
PORI
TAMPERE
HELSINKI
HUDIKSVALL
TURKU
SWEDEN
MOSCOW
VIGRA
NORWAY
FALUN
GÄVLE
TALLIN
TARTU
THORSHAVN
HAMARI
UPPSALA
OSLO
ÖREBRO
STOCKHOLM
VALMIERA
BERGEN
FREDRIKSTAD
NORRKÖPING
KULDIGA
RIGA
MADONA
SMOLENSK
UNION
PORSGRUNN
MOTALA
VISBY
STAVANGER
BORÅS
MOGHILEV
KRISTIANSSAND
GÖTEBORG
KALMAR
KAUNAS
VILNIUS
KURSK
HALMSTAD
MINSK
GOMEL
ALBORG
HALSINGBORG
KARLSKRONA
BURGHEAD
HORBY
SKIVE
KALININGRAD
BARANOVITJI
CHARKOV
SCOTLAND
DUNDEE
COPENHAGEN
MALMÖ
Baltic Sea
North Sea
DENMARK
GDAŃSK
KIEV
WESTERGLEN
REDMOSS
ESBJERG
KALUNDBORG
EDINBURGH
TÖNDER
TORUŃ
DNJEPROPETROVSK
GLASGOW
STAGSHAW
FLENSBURG
WARSZAWA
BELFAST
NEWCASTLE
KIEL
SZCZECIN
BREMERHAVEN
SCHWERIN
LISNAGARVEY
BARROW
HAMBURG
POZNAŃ
ŁÓDŹ
POLAND
VINNITSA
ATHLONE
MOORSIDE
BREMEN
BERLIN
LVOV
TJERNOVTSY
DUBLIN
GREAT BRITAIN
HOOGEZAND
HOLLAND
DRESDEN
WROCŁAW
KATOWICE
KRAKÓW
KICHINEV
ODESSA
IRELAND
POSTWICK
HILVERSUM
LEIPZIG
TIRASPOL
CORK
DROITWICH
DAVENTRY
GERMANY
KOŠICE
IAŞI
SWANSEA
CARDIFF
LONDON
KÖLN
PRAHA
CZECHO-SLOVAKIA
WASHFORD
CLEVEDON
BEXHILL
BRUXELLES
ČES. BUDĚJOVICE
BRNO
NYIREGYHAZA
PLYMOUTH
BARTLEY
BRIGTON
LILLE
LUXEMBOURG
FRANKFURT
BRATISLAVA
ORADEA
CLUJ
BACAU
STALIN
RUMANIA
REDRUTH
STARTPOINT
SAARBRÜCKEN
WIEN
BUDAPEST
Black Sea
LOUVETOT
STUTTGART
AUSTRIA
HUNGARY
TIMIŞOARA
BUCURESTI
ROUEN
PARIS
NANCY
STRASBOURG
MÜNCHEN
GRAZ
ALDRANS
KLAGENFURT
NOVI SAD
CRAIOVA
STALIN (VARNA)
BREST
QUIMPER
RENNES
DIJON
BERNE
MÜNSTER
ZAGREB
LJUBLJANA
BEOGRAD
BULGARIA
ALLOUIS
SWITZERLAND
TRIESTE
YUGOSLAVIA
STARA ZAGORA
NANTES
FRANCE
SOTTENS
MONTE CENERI
PRISTINA
ISTANBUL
POITIERS
LIMOGES
VENEZIA
SARAJEVO
SOFIA
COMOTINI
CLERMONT FERRAND
LYON
MILANO
TITOGRAD
GRENOBLE
TORINO
GENOVA
BOLOGNA
DUBROVNIK
SKOLPJE
Bay of Biscay
FIRENZE
ANCONA
PESCARA
TIRANA
THESSALONIKI
Aegean Sea
BORDEAUX
NIMES
SAN REMO
ALBANIA
KORCA
MONTE CARLO
ITALY
MONT PELLIER
MARSEILLE
VATICAN RADIO
ROMA
FOGGIA
BARI
VOLOS
GREECE
TOULOUSE
Corsica
CORFU
PERPIGNAN
NAPOLI
ATHENS
PAU
ANDORRA
LA CORUÑA
OVIEDO
BILBAO
SAN SEBASTIAN
BURGOS
PALENCIA
LERIDA
Ionian Sea
PATRAS
AMALIAS
SASSARI
Sardinia
BARCELONA
CHANIA
PORTO
VALLADOLID
ZARAGOZA
NUORO
SALAMANCA
MENORCA
CAGLIARI
PALERMO
MESSINA
MIRAMAR
COIMBRA
MADRID
CUENCA
MALLORCA
CATANIA
Creta
PORTUGAL
SPAIN
VALENCIA
CACERES
CALTANISSETTA
Sicily
PAREDE
LISBOA
Balearic Islands
The Mediterranean
ALICANTE
Malta
TUNIS
BAZA
HUELVA
GRANADA
MICHELET
CONSTANTINE
ALGERIA
FARO
SEVILLA
MALAGA
ALGER
AFRICA
BENGHAZI
GIBRALTAR
TANGIER
ORAN
TRIPOLI
North Atlantic Ocean
HAG 58

# LANGUAGE LESSONS

| Language | Audience | Days and Times |
|---|---|---|
| **DUTCH** | | |
| **R. Nederland** | | |
| "Dutch by Radio" | English | Wed 00.53, 02.03, 08.03, 15.03, 19.33, 20.33, 21.33, 22.03; Sun 05.30, 07.30, 08.00, 16.00, 17.00 |
| "Holandés por Radio" | Spanish | Wed 00.59, 04.29, 21.59, 22.59; Sun 19.30, 20.00. |
| **ENGLISH** | | |
| **R. Australia** | Indonesian | Tues 07.00; Fri 10.30 |
| | Thai | Fri 13.32 |
| | Vietnamese | Sat/Sun 12.35 |
| **BBC, London** | English* | D. 05.30, 06.45, 12.30, 17.00, 18.30, 19.30, 22.45 |
| | English** | Sun 01.30***, 09.30, 23.45; Mon 09.30, 15.15***; Tues 15.45; Wed 08.30***, 15.45; Thurs 23.45. |
| | French | D. 05.15, 06.45, 07.15, 13.30, 19.15 |
| | German | D. 16.45 |
| | Portuguese | Mon-Thurs 22.45 (to Brazil) |
| | Spanish | Mon, Wed, Thurs, Fri 07.30 Mon-Fri 02.30 (to Latin America) |
| | Russian | D. 16.45 |
| | Arabic | D. 15.30 |
| | Chinese | Mon-Fri 10.00 (News) |
| | Indonesian | Wed 12.30 |
| | Japanese | D. 22.00, 11.00 |
| **BBC Far Eastern St.** | English* | D. 23.30, 00.30, 09.45, 13.45, 16.15 |
| **BBC East Mediterranean Relay** | English | D. 05.30, 06.45, 18.30, 19.30 |

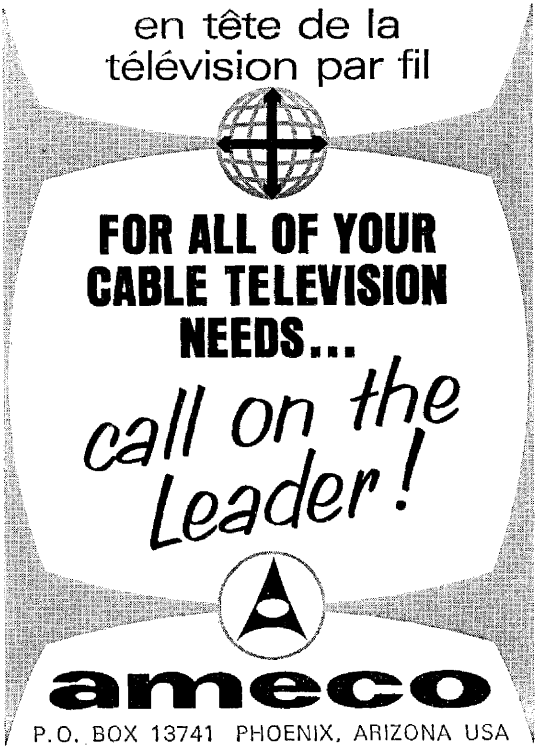
*lessons entirely in English especially for students of the English language; **in World Sce. only; ***monthly.

| | | |
|---|---|---|
| **R. St. KGEI, USA** | Spanish | W. 00.05, 03.05 |
| **FRENCH** | | |
| **O.R.T.F., France** | English | W. 13.15 |
| | German | W. 18.45 |
| | Portuguese | W. 19.15, 23.30 |
| | Spanish | W. 00.45 |
| **GERMAN** | | |
| **Deutsche Welle** | | |
| "German by Radio" | English | Mon/Thurs 09.25, Wed/Sat 16.05 |
| | French | Thurs 13.45, 16.30 |
| | Portuguese | Tues/Sat 21.15; Tues/Fri 22.25 (for Brazil) |
| | Spanish | Sat 20.15 |
| | Indonesian | Mon/Thurs 13.05 |
| | Italian | Sun 10.40 |
| | Arabic | Mon, Fri 20.25 |
| "Life in Germany" | English | Mon/Tues 02.35, 05.30 |
| **ITALIAN** | | |
| **Radio Roma** | German | Tues, Thurs, Fri 17.30 |
| **JAPANESE** | | |
| **R. Japan, Tokyo** | | |
| "Let's Speak Japanese" | English | Wed 09.35, 10.30, 11.45, 16.45, 18,45, Thurs 00.20, 02.35 |
| | German | Mon 07.15, 20.15 |
| | Indonesian | Thurs 14.15 |
| | Russian | Wed 12.50 |
| | Portuguese | Thurs 10.15 |
| | Spanish | Thurs 10.45 |
| **Nihon Shortwave Bc. Co. Tokyo** | English | Mon-Fri 23.15, 10.45 |
| **KOREAN** | | |
| **Korean Broadc. System Seoul** | English | Mon, Wed, Fri 03.30, 06.30 |
| **PORTUGUESE** | | |
| **R. Portugal, Lisbon** | English | Tues/Fri 07.45, 08.30, 14.00, 18.30, 20.30, 21.00; Wed/Sat 02.15, 04.00, 04.15 |
| **RUSSIAN** | | |
| **R. Moscow, USSR** | English | Sun/Wed 11.30; Sun 12.15; Mon/Fri 13.00; Mon 21.40 |
| | German | Mon/Fri 17.45 |
| **SWEDISH** | | |
| **R. Sweden, Stockholm** | English | Sat 11.10, 12.40, 14.10, 16.10, 19.10, 20.55, 22.55, 23.25; Sun 00.40, 02.10, 03.40, 05.25 |
| | German | Sun 10.30, 17.50, 22.45 |
| | Portuguese | Mon 22.10, Tues 00.40, 0210 |

Additional language courses are broadcast seasonally: Arabic (R. Cairo), Chinese (R. Peking), French (ELWA), German (R. Vienna), Hungarian (R. Budapest), Italian (R. Roma), Ivrith (Kol Yisrael), Russian (R. Moscow for French, Spanish and Portuguese listeners), Spanish (R. Nacional de España).

## NEWS in English (continued from page 90)

| | | |
|---|---|---|
| 23.02 Argentine R. Athens | 23.30 Budapest RSA | 23.45 Cambodia[8] Japan |
| 23.30 AFRTS R. Australia | 23.32 HCJB RRI | |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# RADIO

## EUROPE

### ALBANIA

**L.T:** GMT+1 h — **Pr.L:** Albanian.

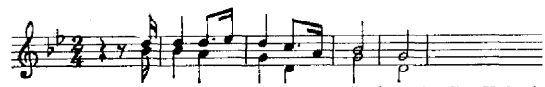
**RADIODIFFUSION TELEVISION ALBANAISE (Gov.)**
**ADDR:** Rue Ismail Quemal, Tirana. **Te:** 3239. **Cable:** Albradio. **L.P:** Dir. Th. Nano. Head Foreign Rel. Dept. K. Xhavara.
**STATIONS:** 50/100/120/240/500kW.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 557 | 538.6 | 5950 | 50.42 | 6180 | 48.54 | 7295 | 41.12 |
| 1088 | 275.7 | 6090 | 49.26 | 7120 | 42.13 | 9395 | 31.93 |
| 1214 | 247.1 | 6120 | 49.02 | 7200 | 41.67 | 9510 | 31.55 |
| 1394 | 215.2 | 6160 | 48.70 | 7265 | 41.29 | 11905 | 25.20 |

**HOME SCE. in Albanian:** On 557kHz: W 04.30-07.00, 11.00-22.00; Sun 05.00-22.00. On 1088kHz: 07.00-11.00.
**FOREIGN SERVICE**
Each tr of 30 min's duration.

| Albanian | kHz |
|---|---|
| *00.30 | 9510 |
| *02.00 | 6180 |
| **Arabic** | |
| 03.30 | 1214, 7265 |
| 04.30 | 1394, 7265 |
| 06.00 | 7265 |
| 17.00 | 6120, 9510 |
| 19.00 | 1214, 9510 |
| **Bulgarian** | |
| 04.00 | 1088, 6160 |
| 12.00 | 1214 |
| 15.30 | 1088, 1214, 7265 |
| 17.00 | 1088, 1394, 6160, 7265 |
| 19.00 | 1088, 6120, 7265 |
| 21.00 | 1088, 6160, 7265 |
| **Czech** | |
| 06.00 | 1394, 5950, 7295 |
| 14.00 | 5950 |
| 15.30 | 5950, 7295 |
| 17.30 | 5950, 7295 |
| 19.00 | 5950, 7265 |
| 22.30 | 557, 7265 |
| **English** | |
| 00.30 | 6180 |
| 01.30 | 6180 |
| 03.00 | 6180, 7295 |
| ***04.30 | 6120 |
| 06.30 | 7265, 9510 |
| ***11.00 | 9510 |
| 14.00 | 1214, 9510 |
| ***15.30 | 9510 |
| 16.30 | 7295 |
| 17.30 | 11905 |
| 18.30 | 6090, 7295 |
| 19.30 | 11905 |
| 20.30 | 7295 |
| 22.00 | 1394, 6160 |
| **French** | |
| ***04.00 | 7295 |
| 05.00 | 7265, 7295, 9510 |
| ***16.00 | 6120, 9510 |
| 18.00 | 7265, 9510 |
| 20.00 | 6120, 9510 |
| 21.00 | 1394, 9510 |
| 22.30 | 6160, 9510 |
| **German** | |
| 05.00 | 1394, 5950 |
| 13.30 | 7295 |
| 15.00 | 5950, 7295 |
| 17.00 | 5950, 7295 |
| 18.00 | 5950, 7295 |
| 20.30 | 1394, 5950 |
| 22.00 | 6120, 7295 |
| **Greek** | |
| 04.30 | 7200, 1088 |
| 13.00 | 6160 |
| 14.30 | 1214, 6160, 7120 |
| 16.30 | 1088, 6160 |
| 19.30 | 1088, 6160 |
| **Hungarian** | |
| 06.30 | 1394, 5950 |
| **Hungarian** | **kHz** |
| 16.00 | 1394, 5950, 7295 |
| 20.00 | 1394, 5950, 7295 |
| 21.00 | 5950, 7295 |
| 22.00 | 577, 5950, 7265 |
| **Indonesian** | |
| 21.30 | 7200 |
| 23.00 | 11905 |
| **Italian** | |
| 05.30 | 1088, 6160, 7200 |
| 11.30 | 1088, 6160 |
| 15.00 | 1214, 6160 |
| 18.00 | 1088, 1214 |
| 20.30 | 1088, 6160 |
| 21.30 | 1088, 6120 |
| 22.30 | 1088, 1214, 6160 |
| **Polish** | |
| 05.30 | 1394, 5950, 7295 |
| 16.30 | 1394, 5950 |
| 18.30 | 5950, 7265 |
| 19.30 | 5950, 7295 |
| 21.30 | 1394, 5950, 7295 |
| **Russian** | |
| 00.30 | 6160, 7625, 9395, 9510 |
| 03.00 | 557, 1394, 6120, 7265 |
| 04.00 | 1394, 6120, 7265, 9395, 9510 |
| 11.30 | 9395, 11905 |
| 12.30 | 7265, 9510 |
| 13.30 | 6120, 7265 |
| 15.00 | 7265 |
| 16.30 | 6120, 7265, 9510, 11905 |
| 17.30 | 1394, 6120, 9510, 11905 |
| 18.30 | 1394, 6160, 9510, 11905 |
| 19.30 | 1394, 6120, 7265, 9510, 11905 |
| 20.30 | 6120, 7265, 9510, 11905 |
| 23.00 | 6120 |
| 23.30 | 6120, 7265 |
| **Serbo-Croat** | |
| 05.00 | 1088, 6160 |
| 12.30 | 1214, 7120 |
| 14.00 | 1088, 6160 |
| 16.00 | 1088, 6160, 7265 |
| 17.30 | 1088, 6160 |
| 20.00 | 1088, 6160 |
| 22.00 | 1088 |
| **Spanish** | |
| **01.00 | 6180 |
| **02.30 | 6180, 7265 |
| 05.30 | 7265, 9510 |
| 10.00 | 9510, 11905 |
| 16.00 | 11905 |
| 18.00 | 6160 |
| 21.00 | 6180 |
| **23.30 | 6180, 9510 |

*=to No. America, **=to Latin America, ***=to Africa.
**ANN:** Albanian: "Ju flet Tirana". Arabic: "Huna Tirana". Bulgarian: "Goveri Tirana". E: "This is Tirana Calling". F: "Ici Tirana". G: "Hier ist Tirana". Greek: "Milun Ta Tirana". I: "Parla Tirana". Czech: "Vola Tirana". Hungarian: "Itt Tirana beszeel". Polish: "Tu mowi Tirana". Russian: "Govorit Tirana". Serbo Croat: "Govori-Tirana". Sp: "Habla Tirana". Indonesian: "Disini Tirana. **V.** by letter.
**INT-SIG:** 9 notes played on two trumpets.



**RADIO KUKESI (Gov.) — ADDR:** Drejtoria e Radio Kukesit, Kukes. **L.P:** Dir. M. Hoxha — **HOME SCE:** Kukës 6660kHz 45.04 m (varies up to 150kc in freq.) 0.2kW — **D.PRGR:** 13.00-14.30, 15.00-20.00.
**ANN:** "Ju flet Kukësi" — **V.** by letter. Re in French.

**RADIO SHKODRA (Gov.) — ADDR:** Drejtoria e R. Shkodrës' Shkodër — **L.P:** Dir: A. Çeno — **STATION:** Shkodër 8215kHz 36.52m 0.2kW. 1300kHz 231m 0.2kW — **HOME SCE:** D 05.00-06.30, 13.00-14.00, 16.30-20.00 — **ANN:** "Ju flet Shkodra" or "R. Shkodra" — **V.** by letter. Re. in German.

**RADIO KORCA — ADDR:** Drejtoria e R. Korçes, Korçe — **L.P:** Dir. A. Trebicka. **STATION:** 1349kHz 222m 0.2kW — **HOME SCE:** 12.30-14.15, 16.30-20.00 — **ANN:** "Ju flet Korca".

**RADIO GJIROKASTRA — ADDR:** Drejtoria e R. Gjirokastres, Gjirokaster — **L.P:** Dir: N. Kokona — **STATION:** 1430kHz 210m 0.2kW — **HOME SCE:** 13.00-14.30, 16.00-20.30 — **ANN:** "Ju flet R. Gjirokastra".

### ANDORRA

**L.T:** GMT+1 h — **Pr.L:** French, Spanish, Catalan.

**RADIO ANDORRA (Priv, Comm.)**
**ADDR:** Direction: Obispo Catalá, 42, Barcelona 17, Spain — **Te:** 203.77.50. **Cable:** Rapro — Station: Roc des Anelletes, Andorre la Vieille, Principality of Andorra. **Te:** 20.100/300. **Cable:** Randorra — **L.P:** Dir. Gen: M. Degoy. Dir. Tec: J. L. Marquet. Dir. Prgr: G. Marquet. French Dept: J. Bonis. Spanish Dept: R. Calderer. Catalan Dept: R. Vivo. Pub. Dept: M. Rodgriquez. Listeners Sce: C. Ruiz.
**STATIONS:** 710kHz 428m 300kW — 998kHz 300m 300kW — 5995kHz 50.04m 25kW.
**HOME SCE:** 05.00-24.00 — **French:** 05.00-20.00; **French/Spanish:** 20.00-21.00. **N:** on the h.
**ANN:** French: "Ici R. Andorre". Sp: "Aqui R. Andorra, emisora del Principado de Andorra, Roc de les Anelletes, Andorra la Vieja, Principado de Andorra".

**INTERNATIONAL SCE:**
**L.P:** Dir. Gen: M. Degoy. Dir. Tec: P. Cousse. Dir. Prgr: A. Rossell. Publ. Dept: C. Valencia. Listeners Sce: J. Tellez. Superv: A. Pifarré.
**D.PRGR:** 21.00-24.00 on 5995kHz. Int. Prgr. for Europe (relay mw-prgr).
**ANN:** F: "Ici R. Andorre International". E: "This is R. Andorra International". Sp: "Aqui R. Andorra Internacional, emisora del Principado de Andorra". G: "Hier ist R. Andorra".
**INT-SIG:** Gong low. Open and close down "National hymn of Andorra" — **V.** by QSL-card or letter. Rp. Recordings accepted.
**PUB:** Prgr. schedule (weekly), illustrated sheet "Aqui R. Andorra" (monthly).

**SUD RADIO** (Radio des Vallées d'Andorre)
**ADDR:** P.O. Box 7, Andorre-la-Vieille (Principauté d'Andorre). **Te:** 20260. **Cable:** Radioval — **L.P:** Dir. Gén: Jean-Louis Horbette.
**STATIONS:** 818kHz 366.8m 300kW — F.M: 98.9MHz 0.05kW.
**HOME SCE in French:** 04.45-24.00. **N:** every h on the half h — **INT-SIG:** "Coucou" (every h) — **ANN:** F: "Vous écoutez Sud-Radio" — **V.** by QSL-card and letter. Rp. — **PUB:** Prgr. schedule (weekly).

### AUSTRIA

**L.T:** GMT+1 h — **Pr.L:** German.

**OESTERREICHISCHER RUNDFUNK ((Gesellschaft m.b.H.)**
**ADDR:** 1041 Wien, Argentinierstr. 30a. **Te:** 656661. **Cable:** Rundfunk. **L.P:** General Intendant: G. Bacher; Kaufmännischer Dir: H. Lenhardt; Techn. Dir: Dr. G. Skalar; Dir. Prgr's (Radio): Dr. A. Hartner; Dir. Prgr. (TV): Prof. Dr. H. Zilk.

**STUDIOS: R. Graz:** Zusertalgasse 14a, Graz III. **Cable:** Radio Graz. E. Breisach — **R. Klagenfurt:** Sponheimerstr. 13, Klagenfurt, **Cable:** Radio Klagenfurt. Prof. P. Goritschnig — **R. Linz:** Obere Donaulände 1, Linz. **Cable:** Radio Linz. A. Schwetz — **R. Salzburg:** Franziskanergasse 5, Salzburg. **Cable:** Radio Salzburg. Prof. Dr. P. Becker — **R. Tirol:** Landhaus Neubau, Innsbruck. **Cable:** Radio Tirol. H. Hauser — **R. Vorarlberg:** Neues Rathaus, Dornbirn. **Cable:** Radio Vorarlberg. Dr. W. Tölzer — **R. Wien:** Argentinierstr. 30a, Wien IV. **Cable:** Radio Wien. Dr. E. Glasser — **R. Niederösterr:** H. Hasslinger — **R. Burgenland:** E. Lassman.

## HOME SERVICES

**ÖSTERREICH I:** W 04.30-23.05, Sun 05.00-23.05.

**Medium Waves:**

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Aldrans I | 520 | 576.9 | 10 | Wien I | 584 | 513.7 | 150 |
| Lienz I | 520 | 576.9 | 10 | Dobl I | 1025 | 292.7 | 100 |
| Liezen I | 520 | 576.9 | 10 | Kronstorf I | 1025 | 292.7 | 100 |
| Klagenfurt I | 584 | 513.7 | 25 | Lauterach I | 1025 | 292.7 | 10 |
| Salzburg I | 584 | 513.7 | 10 | Mariapfarr I | 1025 | 292.7 | 5 |

**Low Power M.W:** (0.05kW): **520kHz:** Bludenz, Murau — **584kHz:** Mayrhofen — **944kHz:** Unzmarkt — **962kHz:** Ehrwald, Neukirchen, Neumarkt Eisenerz, Gmünd, Hallstatt, Obervellach, Rauris, St. Anton, Prutz — **1025kHz:** Hermagor, Otz, Kitzbühel, Eisenkappel, Mühlbach, Achenkirch, Scharnitz, Zell am Ziller, Nauders, Radenthein — **1052kHz:** Hopfgarten, Längenfeld, Bad Goisern, Gmünd (Nö), Oberwölz, Spittal, Pfunds — **1088kHz:** Grossarl, Schruns — **1142kHz:** Bad-Aussee, Landeck, Reutte, Saalfelden, Abtenau, Scheifling, Neuberg, Mittersill, St. Gallenkirch, Zwettl, St. Gallen — **1151kHz:** Judenburg (0.1kW) — **1562kHz:** Kötschach, Bad Ischl, Kufstein, Obdach.

| FM: | ch | MHz | kW | FM: | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Mugel I | 2 | 87.6 | 20 | Schmittenhöhe I | 18 | 92.4 | 0.04 |
| Königsberg I | 2 | 87.6 | 0.03 | Dobratsch I | 23 | 93.8 | 0,15 |
| Gschwandkopf I | 2 | 87.7 | 0.1 | Plackles I | 24 | 94.2 | 0.01 |
| Rauchkofel I | 8 | 89.4 | 1 | H. Kaibling I | 31 | 96.3 | 4 |
| Hartberg I | 13 | 90.8 | 0.01 | Stubnerkogel I | 31 | 96.3 | 0.1 |
| Gaisberg I | 13 | 90.8 | 100 | Patscherkofel I | 31 | 96.4 | 15 |
| Schökl I | 14 | 91.2 | 100 | Koralpe I | 32 | 96.7 | 0.1 |
| Gundkopf I | 15 | 91.4 | 0.1 | Jauerling I | 33 | 97.0 | 100 |
| Reitherkogel I | 15 | 91.5 | 0.01 | Lichtenberg I | 35 | 97.5 | 100 |
| Hahnbaum | 16 | 91.8 | 0.1 | Pfänder I | 37 | 98.2 | 50 |
| Kahlenberg I | 16 | 91.9 | 15 | Burgstall I | 39 | 98.8 | 0.01 |

**N.Wrp:** W 05.00, 06.00, 06.10, 07.00, 07.45 (English and French), 09.00, 11.30, 13.45, 16.00, 16.10, 18.00, 21.00, 22.00, 23.00; Sun 06.00, 07.00, 07.05, 08.00, 12.00, 12.10 (English and French), 16.00, 18.00, 21.00, 22.00, 23.00.

**ÖSTERREICH II:** W 04.00-22.15 (Sat 23.05), Sun 05.00-22.15.

**Medium Waves:**

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Aldrans II | 629 | 476.9 | 25 | Salzburg II | 773 | 388 | 1 |
| Lauterach II | 629 | 476.9 | 25 | Linz II | 890 | 337.1 | 20 |
| Lienz II | 629 | 476.9 | 1 | Graz II | 1394 | 215.2 | 25 |
| Klagenfurt II | 728 | 412.1 | 25 | Wien II | 1475 | 203.4 | 150 |

Low Power Mw's (0.05kW exc. where indicated):
**566kHz:** Bad Ischl, Feistritz (0.1), Greifenburg, Mühlbach, Radstadt, Neukirchen — **674 kHz:** Aigen, Bischofshofen, Bleiburg, Gloggnitz, Neumarkt, Matrei, Ried, Radenthein — **773kHz:** Bad St. Leonhard, Hermagor, Lend, Mariazell, Oberdrauburg, St. Michael/Lungau, Leoben (0.1), St. Gallenkirch, Mittersill, St. Anton, Prutz, St. Gallen — **1052kHz:** Krems, Neunkirchen **1124kHz:** Bruck/Mur (0.1), Eisenerz, Hofgastein, Imst, Kufstein, Mayrhofen, Tamsweg, Gmünd, Mürzzuschlag (0.1), Villach (0.1), Obervellach, Rottenmann, Obdach — **1313kHz:** Kindberg, Ehrwald, Friesach, Haslach, Knittelfeld (0.1), Liezen, Völkermarkt, Wolfsberg, Murau, Ötz, Trieben, Kötschach (0.1), Mariapfarr, Hallsstatt, Rauris — **1394kHz:** Admont, Bludenz, Spittal/Drau (0.2), Zell/See (0.2), Eisenkappel, Oberwölz, Neuberg, Längenfeld, Hopfgarten, Bad Goisern, Zell am Ziller, Achenkirch, Gmünd, Nauders, Scharnitz — **1457kHz:** Amstetten, Schruns, Wr. Neustadt, Judenburg (0.1), Pfunds — **1475 kHz:** Saalfelden, Schwarzach, Windischgarten, Wörgl — **1484 kHz:** St. Polten (0.2) — **1493kHz:** Kitzbühel, Landeck, Reutte, Unzmarkt — **1546kHz:** Abtenau, Bad Ausse, Scheifling, Sillian, Grossarl — **1594kHz:** Braunau, Feldkirchen, Zwettl.

| FM: | ch | MHz | kW | FM: | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Dobratsch II | 11 | 90.4 | 0.15 | Luxkogel II | 23 | 93.9 | 0.2 |
| *Sonnwendstein III | 11 | 90.4 | 2.5 | Koralpe II | 25 | 94.5 | 0.1 |
| Jauerling II | 15 | 91.4 | 100 | Gaisberg II | 26 | 94.8 | 100 |
| Stubnerkogel II | 17 | 92.1 | 0.1 | Reitherkogel II | 26 | 94.9 | 0.01 |
| Patscherkofel II | 18 | 92.5 | 50 | Steinkamperl II | 26 | 94.7 | 0.01 |
| Königsberg II | 20 | 93.1 | 0.03 | Lichtenberg II | 27 | 95.2 | 100 |
| Mugel II | 21 | 93.2 | 20 | Gundkopf II | 27 | 95.1 | 0.1 |
| Gschwandkopf II | 21 | 93.3 | 0.1 | Schöckl II | 28 | 95.4 | 100 |
| Pfänder II | 21 | 93.3 | 50 | Rauchkofel II | 30 | 95.9 | 1 |
| Salberg II | 21 | 93.4 | 0.03 | Gemeindealpe II | 31 | 96.2 | 0.05 |
| H. Kaibling II | 31 | 96.3 | 4 | Hahnbaum II | 34 | 97.2 | 0.1 |
| Schmittenhöhe II | 32 | 96.6 | 0.04 | Pyramidenkogel II | 36 | 97.8 | 10 |
| Plackles II | 35 | 97.6 | 0.01 | Kahlenberg II | 36 | 97.9 | 50 |
| Hartberg II | 33 | 96.8 | 0.01 | Kaunertal | 36 | 97.8 | 0.04 |
| Burgstall II | 33 | 96.8 | 0.01 | | | | |

**N.Wrp:** W 04.00, 05.30, 07.00, 09.00, 11.55, 16.00, 19.00, 21.00, 22.00, 22.10; Sun 05.30, 07.00, 11.30, 16.00, 19.00, 21.00, 22.00, 22.10.

**ÖSTERREICH III:** 07.00-03.00.

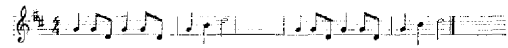
| FM: | ch | MHz | kW | FM: | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| *Hahnbaum III | 4 | 88.2 | 0.1 | Königsberg | 38 | 98.5 | 0.03 |
| *Sonnwendstein II | 4 | 88.2 | 2.5 | Salberg | 38 | 98.5 | 0.03 |
| *Patscherkofel III | 5 | 88.5 | 50 | *Mugel III | 39 | 98.7 | 20 |
| Stubnerkogel III | 5 | 88.5 | 0.1 | *Gaisberg III | 40 | 99.0 | 100 |
| Hartberg III | | 88.6 | 0.01 | *Gundkopf III | 40 | 99.0 | 0.1 |
| *Schmittenhöhe III | 6 | 88.8 | 0.04 | *Reitherkogel III | 40 | 99.1 | 0.01 |
| *Lichtenberg III | 6 | 88.8 | 100 | Rauchkofel | 41 | 99.3 | 1 |
| *Schöckl III | 7 | 89.2 | 100 | *Steinkamperl | 41 | 99.4 | 0.01 |
| *Burgstall III | 7 | 89.0 | 0.01 | *Koralpe III | 42 | 99.5 | 0.1 |
| *Jauerling III | 8 | 89.4 | 100 | *Plackles III | 42 | 99.6 | 0.01 |
| *Pfander III | 9 | 89.7 | 50 | *Kahlenberg III | 43 | 99.9 | 50 |
| Pyramidenkogel II | 19 | 92.8 | 10 | Dobratsch III | 44 | 100.3 | 0.15 |
| | | | | *H. Kaibling III | 46 | 100.7 | 4 |
| *Gschwandkopf III | 37 | 98.0 | 0.1 | | | | |

*) Stereo Test prgr.

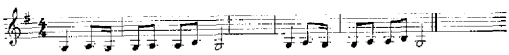
**ANN:** "Hier ist Österreich I, Studio (Wien, Niederösterreich, Tirol . . . . .)"; "Hier ist Österreich Regional, Studio . . . ."; "Österreich III".

**INT-SIG:** Österreich I: From the Austrian National Anthem

Österreich II: Extract from ballet music from "Rosamunde" by Franz Schubert:



Österreich III: Electronic Music:



**PUB:** "Radio Österreich", weekly. Prgr. sched. four times a year; "Aus dem Programme" free on request — **FI:** By licence payments and adv — **AD:** Prgr. I: 67 min's per day; Prgr. II: 49 min's per day; Prgr. III: 80 min's per day — **ALF:** Ö.Sch 240,-.

**SHORT WAVES:** 100/20/10/1 kw.

**Stations:** A=Aldrans 1kW (11.27E/47.15N); D=Deutsch-Altenburg 10kW (16.55E/48.06N); F=Fleckendorf 20kW (14.18E/48.12N); M=Moosbrunn 4 x 100kW (16.28E/48.00N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 6000 | 50.00 | 9770 | 30.71 | 15210 | 19.72 | 17750 | 16.90 |
| 6155 | 48.74 | 11750 | 25.53 | 15400 | 19.48 | 17755 | 16.90 |
| 7245 | 41.41 | 11760 | 25.51 | 15410 | 19.47 | 17800 | 16.85 |
| 9525 | 31.50 | 11785 | 25.46 | 15430 | 19.44 | 17855 | 16.80 |
| 9610 | 31.22 | | | | | | |

**Areas:** I=Europe; II=No. Europe; III=Europe/N. East; IV=No. Africa/N. East; V=No. America (East); VI=Ce. America; VII=So. America (East); VIII=So. Africa; IX=N. East; X=India/Indonesia; XI=Australia/NZ; XII=Japan.

**Schedule 5/11-67 — 3/3-68**

| Area | Times | kHz | (Beam) | | Area | Times | kHz | (Beam) | |
|---|---|---|---|---|---|---|---|---|---|
| I | 04.30-23.00 | 6000 | A | nd | | 02.00-04.00 | 11760 | M | 236° |
| | 05.00-13.00 | 6155 | M | nd | | 18.00-21.00 | 15210 | M | 236° |
| | | 7254 | M | nd | | 23.00-24.00 | 9525 | M | 236° |
| | 17.00-22.00 | 6155 | M | nd | VIII | 07.00-10.00 | 17855 | M | 90° |
| | 20.00-22.00 | 7245 | M | nd | | 16.00-18.00 | 17750 | M | 90° |
| II | 10.00-12.00 | 9770 | M | 0° | IX | 06.00-08.00 | 15410 | F | 120° |
| | 18.00-20.00 | 11750 | M | 0° | | 08.00-10.00 | 15410 | M | 123° |
| III | 13.00-17.00 | 9770 | M | nd | | 17.00-20.00 | 9610 | M | 123° |
| IV | 13.00-17.00 | 11785 | M | nd | X | 04.00-07.00 | 17855 | M | 175° |
| V | 23.00-04.30 | 6155 | D | 300° | | 14.00-16.00 | 17800 | M | 175° |
| | 23.00-04.00 | 9770 | M | 303° | XI | 10.00-12.00 | 17755 | M | 90° |
| VI | 00.00-02.00 | 15430 | M | 270° | XII | 12.00-14.00 | 15400 | M | 56° |
| VII | 00.00-02.00 | 9525 | F | 235° | | | | | |

**ANN:** "Hier ist der Kurzwellendienst des Österreichischen Rundfunks". **INT-SIG:** "An der schönen blauen Donau" Waltz by Joh. Strauss.

**V.** by QSL-card; reports of reception and recordings will be appreciated by Austrian Radio, SW-Service, P.O. Box 700, A-1040 Vienna. Report sheets available. Programme schedule four times a year free on request.

## AZORES (Portuguese)

**L.T:** GMT−2 h (Su:−1 h) — **Pr.L:** Portuguese.

**EMISSOR REGIONAL DOS ACORES (Gov.)**
**ADDR:** Av. Gasper Fructuoso, Ponta Delgada, S. Miguel. **Te:** 22624.
**STATIONS:** CSA97 4865kHz 61.66m 1kW—836kHz 358.9m 1kW.
**HOME SCE:** 14.00-15.00, 20.00-24.00 — **N:** 14.30, 22.30.
**ANN:** "Aqui Portugal, Ponta Delgada, Emissor Reg. dos Açores da Emissora Nacional" — **INT-SIG:** Chimes — **V.** by letter or QSL-card.

**EMISSORA DO CLUBE ASAS DO ATLANTICO (Comm.)**
**ADDR:** Aeroporto de Santa Maria. **Te:** 285. **Cable:** Asas Asmaria. **L.P:** Pres: C. Matos. Dir. Tec: A. Frazão.
**HOME SCE:** CSB81 1570kc 191m 1kW: W 12.00-16.00, 19.00-02.00. Sun 11.00-02.00. **N:** 13.00, 21.00, 22.00 — **Wrp:** 14.00, 16.00, 19.00, 02.00.
**ANN:** "Estacão Emissora do Clube Asas do Atlantico" — **V.** by QSL-card or letter — **INT-SIG:** Opens with music played on a Portuguese string instrument (Viola) and guitar.

**R. CLUB DE ANGRA (Comm.)**
**ADDR:** Rua Conselheiro N.A. de Bettencourt, Angra do Heroismo Terçeira. **Te:** 219. **Cable:** Radioclub.
**STATION:** CSB80 1394kHz 215.2m 1kW.
**HOME SCE:** W 07.00-10.00, 12.00-14.00, 18.00-23.00; Sat 07.00-10.00, 12.00-23.00. Sun 07.00-23.00 — **N:** 07.30, 08.45, 13.00, 18.30, 22.00. **ANN:** "Aqui estação CSB80 de R. Club de Angra (A Voz da Terçeira)" — **INT-SIG:** Viola — **V.** by letter. Recordings accepted.

**AFRTS:** see **U.S.A.**

## BELGIUM

**L.T:** GMT+1 h — **Pr.L:** French, Dutch, German.

**RADIODIFFUSION-TELEVISION BELGE (R.T.B.)— BELGISCHE RADIO EN TELEVISIE (Gov.)**
**ADDR:** Place Eugène Flagey 18, Bruxelles 5. **Cable:** RTB or BRT. **Te:** 49.60.50.
**L.P:** Emissions françaises: Dir. Gen: R. Wangermée. Prgr. Dir: M. Hankard. Prgr. Dir. (TV): L. P. Kammans — **Nederlandse uitzendingen:** Dir. Gen: P. Vandenbussche. Prgr. Dir: C. Mertens. Prgr. Dir. (TV): B. Jansens — **Services Communs. Gemeenschappelijke diensten (common sce's):** Tec. Dir. Gen: G. de Lafonteyne. Dep. Tec. Dir: E. Dekeyser. Adm. and Finance Dir. Gen: F. Hoosemans — **International Sce's:** Exec. Dir: F. Zoete. **German Prgr:** Head: Mars. I. Janetzky — **Cultural Services** (including Foreign Relations): Dir: L. Wallenborn.

**HOME SERVICE:**

**FRENCH NETWORK**

| | | | |
|---|---|---|---|
| Bruxelles I (Nat.) | 620kHz | 483.9m | 150kW (Wavre) |
| Bruxelles IV (Reg.) | 1124kHz | 266.9m | 10kW (Aye, Houdeng)* |
| | 1484kHz | 202.2m | 5kW (Liège)* |
| Anlier (Nat.) | 87.6MHz | | 10kW Bruxelles |
| | | | (3.prgr.) 96.1MHz 2kW |
| Houdeng (Reg.) | 92.3MHz | | 50kW* Houdeng |
| | | | (3.prgr.) 96.6MHz 50kW |
| Ougrée (Reg.) | 90.5MHz | | 50kW* Liège (3.prgr.) 99.5MHz 10kW |
| Anlier (Reg.) | 91.5MHz | | 10kW* Anlier (3.prgr.) 94.1MHz 10kW |

*Prgr's from studios in Mons, Namur, Luxembourg, Liège.
**FM-Ougrée:** 88.5MHz 10kW German Prgrs.

**620kHz** (rel. on FM 87.6MHz): W 05.30-22.00 (Sat 23.00). Sun 05.30-23.00. ...
**N, Wrp:** 05.30, 06.00, 07.00, 08.00, 09.00, 11.00, 12.00, 13.00, 15.00, 16.00, 17.00, 18.30, 21.00, 21.55. Sat, Sun 22.55 — **Wrp:** 10.50.

**1124kHz** (rel. on FM 92.3/90.5/91.5MHz): 09.00-14.30, 17.00-22.00.

**DUTCH NETWORK**

| | | | |
|---|---|---|---|
| Brussels II (Nat.) | 926kHz | 324.0m | 150kW (Wavre) |
| Brussels III (Reg.) | 1484kHz | 202.2m | 0.5kW (Kortrijk) |
| | 1511kHz | 198.5m | 20kW (Veltem) |
| Bredene | 1594kHz | 188.2m | 5kW |

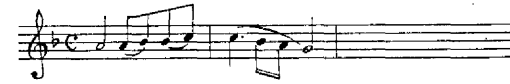
| FM | | MHz | kW | | | MHz | kW |
|---|---|---|---|---|---|---|---|
| Aalter | (Nat.) | 95.7 | 10 | Veltem | (3.prgr.) | 89.5 | 50 |
| Veltem* | (Reg.) | 93.7 | 50 | Aalter | (3.prgr.) | 90.4 | 10 |
| Genk* | (Reg.) | 97.9 | 10 | Genk | (3.prgr.) | 89.9 | 10 |
| Aalter* | (Reg.) | 98.6 | 50 | | | | |

* Prgr's from studios in Kortrijk, Ghent, Hasselt, Antwerp, Brussels, 926kHz (rel. on FM 95.7MHz):

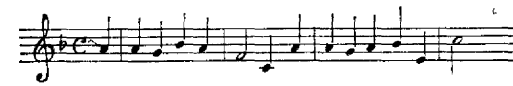
**First Prgr:** Mon-Thurs 05.30-21.30 on 926/1594kHz+FM 89.5/89.9/95.7MHz; Fri 05.30-18.30 on 926/1594kHz+FM 89.5/89.9/95.7MHz, 18.30-23.00 on 926/1594kHz+FM 95.7MHz, Sat/Sun 05.30-23.00 on 926/1594kHz+FM 95.7MHz.
**N, Wrp:** 05.30, 06.00, 07.00, 08.00, 11.30, 12.00, 16.00, 18.00, 21.00, 21.55 (Sat, Sun 22.00) — **Wrp:** 05.30, 07.00, 11.30.

**Second Prgr:** D. 05.30-23.00 on 1484/1511kHz+FM 93.7/98.6/97.9MHz.

**Third Prgr:** Mon-Thurs 21.30-23.00 on 926/1594kHz+FM 89.5/89.9/90.4/95.7MHz; Fri 18.30-23.00 on FM 89.5/89.9/90.4MHz; Sat/Sun 08.30-23.00 on FM 89.5/89.9/90.4MHz.
**ANN: F:** "Radiodiffusion-Télévision Belge". **Dutch:** "Belgische Radio en Televisie". **G:** "Belgischer Fernseh-Rundfunk" — **INT-SIG:** Xylophone. F. Network: Extract from Grétry's famous melody "Ou peut-on être mieux"



**Dutch Network:** The first movement of "Beiaardlied". (Extract from Ruben's cantata by Peter Benoit)



**V.** by QSL-card or letter. Recordings accepted. **ALF:** B. frcs. 204,- (radio only). Combined Radio and TV: B. frcs. 960,-.

**INTERNATIONAL SERVICE**
**ADDR:** Directions of Overseas Sce. of R.T.B./B.R.T, 18 Place Eugène Flagey, Brussels 5. **Cable:** R.T.B. Mondial. **Te:** 496050.
**L.P:** Exec. Dir: F. Zoete. Heads, Shortwave: J. Vandenbranden, M. Depré, J. Mertens. Transcription and Public Relations: M. Swaenepoel, W. Sanders.
**STATIONS:** ORU3/ORU4=100kW, ORU5=20kW (G.C: 04.34E/50.44N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 6010 | 49.92 | 11715 | 25.61 | 17720 | 16.93 | 21690 | 13.83 |
| 9615 | 31.20 | 11895 | 25.22 | 17860 | 16.79 | | |
| 9740 | 30.80 | 15335 | 19.56 | 21510 | 13.94 | | |

**Abbreviations:** A=French/Dutch, B=French/Dutch/Congolese, C=Congolese; I=Africa, II=No. America, III=So. America, IV=So. Europe, V=Far East — Freq's in fat types 100kW, others 20kW.

| Times | | L | Area | kHz |
|---|---|---|---|---|
| 10.00-12.00 | | B | I | 21690, **17860, 21510** |
| 12.15-13.00 | a | A | IV/V/I | 15335, **21510, 17860** |
| 13.30-15.45 | (Sat) b | C | I | 15335, **17860, 21510** |
| 13.30-16.30 | (Sun) b | A | I | 17720, **17860, 21510** |
| 16.45-17.15 | (Sun) b | A | I | 9740, **11715, 17860** |
| 16.00-17.15 | (W) | C | I | 9740, **11715, 17860** |
| 17.15-18.30 | | C | I | **11715** |
| 17.15-18.30 | | A | I | 9740, **17860** |
| 18.30-21.00 | c | A | I | 6010, **11715, 17860** |
| 21.15-23.00 | d | A | III | **6010, 9615, 15335** |
| 23.15-01.00 | d | A | II | **6010, 9615, 11895** |

a) for missionaries and seamen (alternately in French and Dutch); b) Sat (Congolese), Sun (Sport, French/Dutch); c) for Belgians and Africans; d) for Belgian seamen and Belgians in the world, alternately in French and Dutch.
**N: French:** 10.30, 11.30, 19.30, 20.00. **Dutch:** 10.15, 11.40, 19.00.
**ANN: F:** "Ici Bruxelles, Radiodiff-Television Belge, Emission Mondiales". Dutch: "Hier is Brussel, de Belgische Radio en Televisie Wereldomroep" — **SIGNALS:** Starting: Xylophone — **INT-SIG:** Gevaerts "Vers l'avenir". The signal at the start of each broadcast: "Ou peut-on être mieux" — Closing: Belgian National Anthem — **V.** by QSL-card. Recordings accepted.

## BULGARIA (People's Rep. of)

**L.T:** GMT+2 h — **Pr.L:** Bulgarian.

### BULGARIAN RADIO AND TELEVISION (Gov.)

**ADDR:** Bulgarian Broadcasting at the Committee of Culture and Art, 4 Bd. Dragan Tsankov, Sofia. **Te:** 87-10-44. **Cable:** Bulgarradio. **Telex:** 541 — **L.P:** Dir. Gen: B. Nonev. Dir. Radio: A. Koen. Dir. TV: L. Mileva. Dir. Tec: Eng. Z. Zherkov. Head Foreign Relations: N. Petkow. Dep. Dir's: G. Christozov, R. Kamenski, K. Kovachev.

| HOME SCE: | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Sofia I | 593 | 506 | 200 | Varna | 1124 | 267 | 10 |
| Plovdiv | 746 | 402 | 30 | Kardjali | 1160 | 259 | 30 |
| Stolnik | 773 | 388 | 30 | Shumen | 1160 | 259 | 30 |
| Sofia II | 827 | 362.7 | 100 | Stara Zogora | 1223 | 245 | 30 |
| Blagoevgrad | 863 | 348 | 30 | Sofia III | 7670 | 39.11 | 15 |

**1st prgr:** 03.25-08.37 on 593/1124/1223kHz, 08.37-09.55 on 593/827/7670kHz, 09.55-14.55 on 593/827/1124/1223/7670kHz, 14.55-20.30 on 593kHz, 20.30-22.00 on 593/1124/1223kHz — **N:** 03.30, 04.30, 06.00, 07.00, 08.00, 09.00, 10.30, 12.00, 13.00, 15.00, 16.00, 17.00, 18.30, 20.30, 22.00.
**1st Prgr.** is aired over 3 FM st's (Sofia I, Mt. Botev I, Plovdiv); **2nd Prgr.** is aired over 3FM st's (Sofia II, Mt. Botev II, Varna).

### FOREIGN SERVICE

**STATIONS:** G.C: 23.20E/42.40N.

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 827 | 362.7 | 100 | 7255 | 41.35 | 50 | 11765 | 25.50 | 50 |
| 1160 | 259.3 | 30 | 7670 | 39.11 | 15 | 11950 | 25.10 | 50 |
| 5920 | 50.68 | 50 | 9560 | 31.38 | 50 | 11970 | 25.06 | 50 |
| 6070 | 49.42 | 100 | 9660 | 31.06 | 50 | 15310 | 19.60 | 100 |
| 6245 | 48.04 | 120 | 9700 | 30.93 | 120 | | | |

**Schedule October 1967-April 1968**

**TO EUROPE/NEAR EAST**

| Arabic | kHz |
|---|---|
| 04.00-04.30 | 827, 6070, 7670, 9560 |
| 04.30-05.30a | 827, 6070, 7670, 9560 |
| 11.30-11.55 | 9700, 11765, 15310 |
| 17.00-17.55 | 7255[1], 9700, 11765, 15310[2] |
| 20.00-20.30 | 1160, 6245, 7670, 9700 |
| **Bulgarian** | |
| 11.00-11.10 | 9700, 11765, 11955 |
| 22.00-22.10 | 6245, 7670, 9700[1], 11765, 15310[2] |
| **Esperanto** | |
| 20.05-20.30 | 5920 |
| 23.30-23.55 | 6070, 9560 |
| **French** | |
| 19.00-19.30 | 6070, 9660 |
| 21.00-21.30 | 6070, 9660 |
| **German** | |
| 20.00-21.00 | 6070, 9660 |
| **Greek** | |
| 04.30-05.00c | 827, 6070, 7670, 9560 |
| 05.30-06.30d | 827, 6245, 9560 |
| 06.00-06.30c | 827, 1160, 6070, 7670, 9560 |
| 09.00-10.00d | 9700, 11765, 11970 |
| 12.00-12.30 | 1160, 6070, 7255, 9700 |
| 16.30-16.55 | 6070, 7255, 9700 |
| **Greek** | |
| 19.00-19.30 | 6245, 7670 |
| 20.30-21.00 | 827, 6245, 7670 |
| **Italian** | |
| 18.00-18.30 | 6070, 7255, 9700 |
| 20.30-21.00 | 5920, 9700 |
| 22.00-22.30 | 827, 6070, 9660 |
| **Macedonian** | |
| 05.00-05.30c | 827, 6070, 7670, 9560 |
| 06.30-07.30d | 827, 6070, 7670 |
| 21.00-21.30 | 827, 7670 |

| Serbo-Croat | kHz |
|---|---|
| 07.30-08.30 | 827, 6070, 7670 |
| 21.30-22.00 | 827, 6245, 7670 |
| **Spanish** | |
| 22.30-23.00 | 7255[1], 9700[2] |
| **Turkish** | |
| 05.30-06.00c | 827, 962, 1160, 6070, 7670, 9560 |
| 05.30-06.30d | 962, 1160, 6070, 7670 |
| 10.00-11.00 | 1160, 9700, 11765, 11970 |
| 16.00-16.30 | 1160, 6070, 9700 |
| 18.30-19.00 | 6245, 7670, 9700 |
| 19.30-20.00 | 1160, 6245, 7670 |

**TO AFRICA**

| English | kHz |
|---|---|
| 19.05-19.30* | 11950, 15310 |
| 21.05-21.30** | 9700[1], 17765, 11950, 15310[2] |
| **French** | |
| 19.30-20.00* | 11950, 15310 |
| 21.30-22.00** | 9700[1], 11765, 11950, 15310[2] |

*)=to Ea. Africa;
**)=to We. Africa.

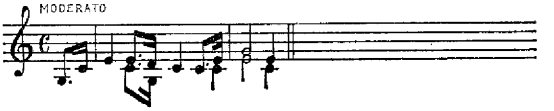
**TO NORTH AMERICA**

| Bulgarian | kHz |
|---|---|
| 23.30-24.00 | 9700 |
| 01.00-01.30 | 9700 |
| **English** | |
| 00.00-01.00 | 9700 |
| 04.00-04.30 | 9700 |
| **Spanish** | |
| 02.00-02.30 | 9560 |
| 04.30-05.00 | 9700 |

**TO SOUTH AMERICA**

| Bulgarian | kHz |
|---|---|
| 23.00-23.25 | 7255[1], 9700, 11765, 15370[2] |
| 00.30-01.00 | 9560, 11765[1], 15310[2] |
| **Spanish** | |
| 22.30-23.00 | 7255[1], 9700, 11765, 15310[2] |
| 00.00-00.30 | 9560, 11765[1], 15310[2] |
| 02.00-02.30 | 9560, 11765[1], 15310[2] |

[1]) to Feb. 29th, 1968 — [2]) from March 1st, 1968 — a) Sat only b) Concert (also for No. America) — c) exc Sat — d) Sun only.
**DX-PRGR: English:** Fri 19.30, 21.30 (to Gt. Britain); Sat 00.00, 04.00 to USA); **German:** 1st and 3rd Sun 20.00; **French:** 1st Sun at 21.00; **Spanish:** 2nd Thurs 22.30, Fri 00.00.
**ANN:** Home Sce: "Govori Sofia" — Foreign Sce: E: "This is Sofia, Bulgaria Calling". F: "Ici Sofia, Radiodiff-Television Bulgare". Tu: "Burasi Sofia radiosu". Gr: "Milai i Sofia". G: "Hier spricht Sofia Bulgarian". I: "Que é R. Sofia", Arabic: "Huna Sofia". Sp: "Habla Sofia" — **INT-SIG:** Youth March played on organola.




**V.** by QSL-card or letter. Recordings accepted — **PUB:** Prgr. schedule. **FI:** By state — **AD:** D. 13.30-14.00.

## CYPRUS

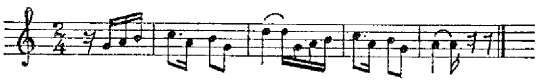
**L.T:** GMT+2 h — **Pr.L:** Greek, English, Turkish.

### CYPRUS BROADCASTING CORPORATION (Gov, Comm.)

**ADDR:** P.O. Box 1824, Nicosia. **Cable:** Broadcasts. **Te:** 5231. **L.P:** Dir. Gen: A. Christofides. Dep. Dir. Gen: I. Hadjiossif. Chief Eng: P. T. Astreos. Head Comm. Div: D. Kyprianu.
**STATIONS:**

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Nicosia | 606 | 495 | 20 | Paphos | 915 | 328 | 2 |
| Nicosia | 692 | 434 | 20 | Limassol | 1484 | 202 | 0.5 |

**HOME SCE: Greek:** On 692/915/1484kHz: W 04.00-12.00, 14.00-22.00, Sun 04.00-22.00 — **N:** 05.00, 11.30, 15.00, 17.30 — On 606kHz: 19.00-22.00 (Sun also 06.00-10.00). Turkish on 606kHz: 05.00-06.30, 10.00-11.30, 14.00-16.45. **N:** 05.30, 11.00, 16.15. English on 606kHz: 11.30-12.30, 16.45-19.00. **N:** 12.00, 17.15.
**ANN:** Greek: "Radiofonikon Idruma Kyprou". Turkish: "Burasi Kibris Radjo Yayin Korporasyonu" — **INT-SIG:** Avkoritissa played on Guitar:



**V.** by letter. Recordings accepted — **ALF:** £ 1/5/0 — **FI:** Go. subsidized, Comm. adv. income — **AD:** 30 min d.

### BBC EAST MEDITERRANEAN RELAY

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 638 | 470.5 | 7130 | 42.08 | 9650 | 31.09 | 11910 | 25.19 |
| 719 | 417.2 | 7140 | 42.02 | 9690 | 30.96 | 11955 | 25.09 |
| 1421 | 212.4 | 7230 | 41.49 | 9715 | 30.88 | 11970 | 25.06 |
| 6065 | 49.46 | 9600 | 31.25 | 11720 | 25.60 | 15310 | 19.60 |
| 6120 | 49.02 | 9625 | 31.17 | 11890 | 25.23 | 15420 | 19.46 |
| 7120 | 42.13 | 9635 | 31.14 | 11905 | 25.20 | 17885 | 16.78 |
| | | | | | | 21660 | 13.85 |

**RELAY ARABIC SCE**

| Times | kHz |
|---|---|
| 03.45-05.45 | 638, 719, 6120, 7140, 9650 |
| 13.00-16.15 | 638, 719, 6120, 7140, 9650, 11720 |
| 16.15-17.00 | 719, 6120, 9650, 11720 |
| 17.00-21.00 | 638, 719, 6120, 7140, 9650, 11720 |

**RELAY EUROPEAN SCE**

| Bulgarian | kHz |
|---|---|
| 18.45-19.00[1] | 7230, 9635 |
| **Czech** | |
| 05.15-05.30 | 9625, 11905 |
| 22.15-22.30 | 7230 |
| **English** | |
| 04.00-04.30 | 9690, 11905 |
| 06.00-06.30 | 11970 |
| 07.00-07.15 | 11970 |
| 21.00-21.15 | 7140, 7230, 9600, 9715 |
| **English by Radio** | |
| 05.30-05.45 | 11905 |

| English by Radio | |
|---|---|
| 06.45-07.00 | 11970 |
| 18.30-18.45 | 7230, 9635 |
| 19.30-20.00 | 7130, 9715 |
| **French** | |
| 06.30-06.45 | 11970 |
| **German** | |
| 04.30-05.15 | 9625, 11905 |
| 05.45-06.15 | 11905 |
| 19.00-21.00 | 7230, 9600 |
| **Hungarian** | |
| 05.30-05.45 | 9625 |
| 06.30-06.45 | 11905 |
| 22.00-22.15 | 7230 |
| **Polish** | |
| 04.15-04.30 | 9625 |
| 06.15-06.30 | 11905 |
| 21.15-22.00 | 7230 |
| **Rumanian** | |
| 18.45-19.00[2] | 7230, 9635 |
| **Russian** | |
| 03.45-04.00 | 9690, 11905 |
| 17.00-18.00 | 7140, 9690 |
| 20.00-21.00 | 7130, 9715 |

[1]) English by Radio: Tues/Thurs/Sat — [2]) English by Radio: Mon/Wed/Fri.

### RELAY WORLD SERVICE

**Areas:** I=Far East/N.W. Pacific; II=So. Asia (India/Pakistan/Ceylon, Nepal); III=So. Ea. Asia (Burma/Thailand/So. China/Hong Kong/Vietnam/Laos/Cambodia); IV=Indonesia; V=Singapore/Malaysia; VI=Middle East; VII=Ea. Africa; VIII=Ce. and So. Africa;

| Times | Areas | kHz | Times | Areas | kHz |
|---|---|---|---|---|---|
| 23.00-23.15 | I | 9625, 11890 | 05.00-07.30 | VII/VIII | 15420, |
| 23.00-23.15 | II/V } | 7140, 9625 | | | 17885 |
| 00.00-00.30 | II/V } | 11890 | 05.30-07.30 | VI | 6120, 7140 |
| 00.00-00.30 | IV | 11890 | | | 9650, |
| 01.45-02.15 | II/III/V | 7120, 9625 | | | 11720** |
| | | 11955 | 09.00-14.00 | I/II | 21660 |
| 01.45-02.15 | IV | 7120, 11955 | 09.00-11.00 | VII | 17885 |
| 01.45-02.15 | VI | 7120, 9625 | 10.30-11.00 | VIII | 17885 |
| 03.00-03.45 | VI | 6120, 7140 | 11.00-14.15 | VII/VIII | 15420/17885 |
| | | 9625, 9650* | 14.15-18.00 | VII/VIII | 17885 |
| 03.45-04.15 | VI | 9625 | 16.00-18.15 | II | 9625 |
| 03.00-05.00 | VII | 15420 | 18.00-18.15 | VII/VIII | 15420, 17885 |

**RELAY OTHER OVERSEAS SERVICES**
**English** (to Africa): 04.45-05.00 on 17885kHz, 10.15-11.00 and 16.30-17.09 on 15420kHz, 18.15-19.00 on 15420, 17885kHz.
**In other languages:** To Africa: 10.00-10.15, 14.15-18.00 on 15420kHz, 19.00-19.15 on 15420, 17885kHz.
**To Asia:** 22.00-22.45 on 6065, 7140, 9625kHz; 22.45-23.30 on 7140, 9625, 11890kHz; 23.30-24.00 on 7140, 9625, 11890kHz; 01.30-02.00 on 7120, 9625, 11955kHz; 09.30-10.00 on 15310kHz; 10.00-13.00 on 15310kHz; 13.15-14.15 on 11910kHz; 14.15-15.45 on 9690, 11910kHz; 15.45-16.15 on 9690kHz; 16.15-17.00 on 7140, 9690kHz.
**Medium Wave See:** World Service: 03.00-03.45, 05.45-07.30 on 638, 719kHz; 03.00-09.30, 10.30-23.15 on 1421kHz; Arabic 03.45-05.45, 13.00-21.00. Persian: 16.15-17.00 on 638kHz.

**BRITISH FORCES BROADC. SCE. CYPRUS**
is operated by the Ministry of Defence to provide a sce. of information, entertainment as well as a link with home for H.M. Forces in Cyprus. It is non-comm. does not accept adv. **ADDR:** B.F.P.O. 53, Cyprus — **L.P:** St. Contr: R. W. Morgan. Eng-in-Charge: M. E. Townley. Aasst. Station Contr: D. G. Phillips.
**STATIONS:** Nicosia 1502kHz 199.7m 1kW — Limassol 890kHz 7.5kW — Akrotirei 92.1kHz 20kW — Dhekelia 99.6kHz 20kW — Nicosia 89.9kHz 0.05kW — Famagusta 96.4kHz 0.05kW.
**D.Prgr:** W 03.45-08.30, 10.30-21.09 (Sat 01.00); Sun 05.30-21.00. **N:** 04.00 (W), 05.00 (W), 07.00, 11.00 (Sun), 13.00, 16.00, 17.00 (Sat), 18.00, 21.00, 22.00 (Sat) — **Wrp:** 03.58 (W), 04.58 (W), 07.10 (Sun), 16.10 — **Rlg:** 04.10 (W), 07.10 (W), 06.30 (Sun), 17.15 (Sun) — **ANN:** "This is the British Forces Broadc. Sce. Cyprus" — **V.** by QSL-card — **PUB:** Prgr. schedule free. Rp.

## CZECHOSLOVAKIA

**L.T:** GMT+1 h — **Pr.L:** Czech, Slovak.

**CESKOSLOVENSKY ROZHLAS (Gov.)**

**ADDR:** Czechoslovak Radio, Praha 2, Vinohradska 12. **Cable:** Radiopraha. **Te:** 2115 — **L.P:** Dir. Gen: Dr. M. Marko. Dep. Dir. Gen: A. Sarvas. Dept. Dir. Gen: Dr. R. Behal (Prgr), Dep. Dir. Gen: Dr. K. Hrabal (Foreign Sce), Dep. Dir. Gen: M. Junek (Engineering). Dir. of Adm: Ing. J. Simmr. Head Foreign Rel: Dr. K. Reif.

**HOME SERVICE: Medium Waves**

| Netw | kHz | m | kW | Netw | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| ČS | 272 | 1102.9 | 200 | Bratislava | 1232 | 243.5 | 100 |
| Praha | 638 | 470.2 | 150 | ČS I | 1286 | 233.3 | 100 |
| Bratislava | 701 | 427.2 | 100 | Bratislava | 1484 | 202.2 | 2 |
| Praha | 953 | 314.7 | 100 | ČS I | 1520 | 197.3 | 1 |
| Praha | 953 | 314.7 | 15 | Ostrava | 1594 | 188.0 | 2 |
| Bratislava | 1097 | 273.5 | 150 | | | | |


*O. I. R. T.*

**Review of the International Radio and Television Organisation (O. I. R. T.):**

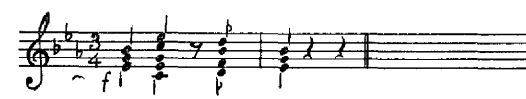
**RADIO & TELEVISION**

published in English - French, Russian and German brings every 2 months valuable information on the world of Broadcasting and Television.

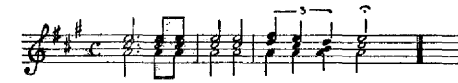
**Subscription: The International Radio and Television Organisation (O.I.R.T.), U Mrázovky 15, Praha 5, Czechoslovakia.**


| F.M: | MHz | kW | F.M: | MHz | kW |
|---|---|---|---|---|---|
| Praha | 68.96 | 4 | No-Moravia | 69.08 | 4 |
| | 66.83 | 4 | | 66.32 | 4 |
| East Bohemia | 69.35 | 4 | West Slovakia | 68.84 | 8 |
| | 67.22 | 1 | | 66.98 | 8 |
| No. Bohemia | 70.58 | 4 | Mid. Slovakia | 69.68 | 8 |
| | 72.20 | 4 | | 72.50 | 8 |
| We. Bohemia | 69.56 | 8 | East Slovakia | 68.87 | 8 |
| | 67.34 | 8 | | 66.38 | 8 |
| So. Bohemia | 70.07 | 8 | Zilina | 69.50 | 1 |
| | 71.63 | 8 | | 71.60 | 1 |
| Mid-Moravia | 69.86 | 8 | Tatry | 69.20 | 1 |
| | 71.87 | 8 | | 67.28 | 1 |

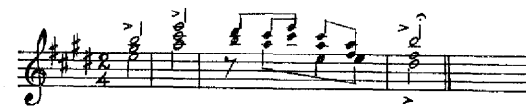
**CS I: Czech, Slovak:** 03.30-23.00 — **N,Wrp:** W 03.30, 04.30, 05.30, 06.30, 09.00, 11.00, 13.00, 15.00, 17.00, 20.00, 22.00; Sun 05.00, 06.30, 09.00, 12.00, 17.00, 20.00, 22.00 — **Night concerts (with multilingual ann):** Mon-Thurs and Sun 22.10-23.00.
**PRAHA: Czech:** 03.30 (Sun 05.00)-01.00 — **N,Wrp:** 03.30, 04.00, 04.30, 05.00, 05.30, 06.00, 06.30, 08.00, 10.00, 12.00, 14.00, 16.00, 18.00, 21.00, 22.50, 00.55, Sun 05.00, 06.00, 08.00, 11.05, 18.00, 21.00, 22.50, 00.55 — **L.L: Russian:** Tues 15.45-16.00. **German:** Thurs 15.40-16.00 — **Polish:** On 1520kHz; D 14.50-15.00, Sat 09.16-09.45. **German:** On 701/1520kHz: W 16.00-16.15, Sun 08.00-09.00.
**BRATISLAVA: N,Wrp:** W 03.30, 04.00, 05.00, 06.50, 08.00, 10.00, 12.00, 14.00, 16.00, 18.00, 21.00, 22.55; Sun 05.00, 06.00, 11.30, 18.00, 21.00, 22.55 — **L.L: Russian:** Wed 21.15-21.35, Fri 14.30-14.50 — **Hungarian:** 06.00-07.00 (W), 08.45-09.30 (Thurs), 11.00-11.40, 14.00-15.00 (Mon-Fri), 11.00-15.00 (Sat), 06.00-14.00 (Sun) — **Ukrainian:** 11.00-11.10 (W), 08.45-09.30 (Thurs), 14.30-15.00 (Mon-Fri), 15.00-15.30 (Tues), 15.30-16.00 (Sat), 06.00-06.50 (Sun).
**INT-SIG: Praha:** "The two opening bars of Smetana's symphonic Poem "Vysehrad".



**CS:** Fanfares from a March by V. Dobliás.



**Bratislava:** Fanfares from a March by B. Urbanec:



**FOREIGN SERVICE**

**Stations:** All tr's 100kW exc. 1097kHz=150kW (G.C: 15.09E/50.09N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 1097 | 273.5 | 7345 | 40.85 | 11960 | 25.08 | 17705 | 16.94 |
| 1286 | 233.3 | 9505 | 31.56 | 11990 | 25.02 | 17840 | 16.82 |
| 5930 | 50.59 | 9560 | 31.38 | 15285 | 19.63 | 21450 | 13.99 |
| 5970 | 50.25 | 9575 | 31.33 | 15310 | 19.60 | 21700 | 13.83 |
| 6055 | 49.55 | 9630 | 31.15 | 15365 | 19.52 | 21735 | 13.81 |
| 6090 | 49.26 | 11800 | 25.42 | 15448 | 19.42 | | |

**TO EUROPE**

| English | kHz |
|---|---|
| 07.00-08.00 | 6055 |
| 12.00-12.30 | 9560, 11960, 15285 |
| 15.30-16.30 | 6055 |
| 19.00-19.30 | 5930, 7345 |
| **French** | |
| 11.00-12.00 | 6055, 9505 |
| **German** | |
| 08.00-09.30 | 6055, 9505 |
| 09.30-11.00* | 6055, 9505 |
| **Italian** | |
| 12.00-13.00 | 6055, 9505 |
| 13.00-14.30** | 6055, 9505 |
| 17.00-17.30 | 5930, 7345 |
| **Spanish** | |
| 12.30-13.00** | 5970, 11960, 15285 |
| 13.00-13.30 | 5970, 11960, 15285 |
| 18.30-19.00 | 5930, 7345 |

**TO AFRICA**

| Arabic | kHz |
|---|---|
| 16.30-17.30 | 9630, 11990, 17840 |
| 19.30-20.30 | 5930, 7345, 9630, 11990, 17840 |
| **English** | |
| 15.30-16.30 | 6055, 11990, 15285 17840, 21735 |
| 17.30-18.30 | 5930, 7345, 9630 11990, 17840 |
| **French** | |
| 18.30-19.30 | 9630, 11990, 17840 |
| 20.30-21.30 | 5930, 7345, 9630 11990, 17840 |
| **Swahili** | |
| 15.00-15.30 | 6055, 11990, 15285 17840, 21735 |

*) to Austria,
**) Sat/Sun only

*Every month first-hand information on the world of broadcasting is offered to you in the*

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Published in English and French by the European Broadcasting Union

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**TO FAR EAST/AUSTRALIA**

| English | kHz |
|---|---|
| 07.00-08.00 | 9575, 11800, 15310 21450, 21700 |

**TO SO & CE AMERICA**

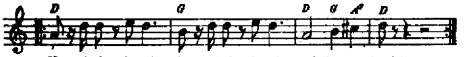
| Czech/Slovak | kHz |
|---|---|
| 22.30-23.00 | 7345, 9630, 11990, 15365 |
| **Portuguese** | |
| 21.30-22.30 | 7345, 9630 11990, 15365 |
| 00.00-01.00 | 5930, 7345 9630, 11990 |
| **Spanish** | |
| 23.00-24.00 | 5930, 7345 9630, 11990 |
| **Spanish** | **kHz** |
| 02.00-03.00 | 6090, 7345 9630, 11990 |

**TO NORTH AMERICA**

| Czech/Slovak | kHz |
|---|---|
| 13.30-14.00*** | 15448, 17705 21450 |
| 03.00-03.30 | 6090, 7345 9630, 11990 |
| **English** | |
| 14.00-15.00*** | 15448, 17705 21450 |
| 01.00-02.00 | 5930, 7345 9630, 11990 |
| 03.30-04.30 | 6090, 7345 9630, 11990 |

***) Sun only

**MW SCE. for Europe: On 1286kHz: English:** 22.00-22.30; **French:** 20.30-21.00, 21.30-22.00; **German:** 18.00-18.30, 19.00-19.30, 20.00-20.30, 22.30-23.00; **Italian:** 18.30-19.00, 19.30-20.00, 21.00-21.30; **Spanish:** 23.00-23.30. **On 1097kHz: English:** 23.05-23.30.
**Prgr's for radioamateurs and SWL's:**
**To Europe:** Every Wed at 12.00, 19.00, 23.05. **To No. America:** 2nd Fri at 01.00, 03.30; 07.00 (repeat for Far East and Australia). **Monitor Club:** 4th Fri at 01.00, 03.30 (07.00 repeat for Far East and Australia). **In German:** 1st Thurs 19.00, repeated following Thurs 08.00. For Austria: 3rd Sun 09.30, repeated following Tues 17.05.
**ANN: E:** "This is Prague". **Arabic:** "Huna Pragh". **F:** "Ici Prague, Tchécoslovaquie". **I:** "Qui Praga Cecoslovacchia". **G:** "Hier spricht Prag". **Sp:** "Aqui R. Praga, Checoslovaquia". **P:** "Aqui fala a R. Praga". **Czech/Slovak:** "Posloucháte Prahu, vysilani Cs. rozhlasu pro krajany" — **INT-SIG:** The opening bars of the song "Forward Left" by J. Seidl, played on trumpets.




**V.** by QSL-card and letter. Recordings accepted — **PUB:** Foreign Sce. sched. free on request — **FI:** By license payments and adv **AD:** Mon, Wed, Thurs, Fri 07.55; Mon-Fri 14.55; Wed, Thurs 16.50; Sat 16.35 — **ALF:** 60,- Czech Crowns.

## DENMARK

**L.T:** GMT+1 h — **Pr.L:** Danish.

**RADIO DENMARK (Gov.)**
**ADDR:** Radiohouse, Rosenørnsallé 22, Copenhagen V. **Te:** 350647. **Cable:** Danradio — **L.P:** Dir. Gen: Hans Sølvhøj. Dir. Prgr (radio): J. F. Lawaetz. Dir. Adm: Ejnar Jensen. Head of Secretariate: Erik Carlsen. Head of Music: M. Andersen. Head of Drama (radio): J. Claudi. Head of Entertainment (radio): Kaj Bruun. Head of Press and Foreign Relations Dept: E. Trautmann. Dir. Tec. (radio+TV): J. Fr. Heegaard. Head of Tec. Dept. (radio): H. C. Jørgensen. Head of News: N. Grunnet. Head, Actualities and Cultural Dept. (radio): J. Vedel-Petersen. Head, Children, Youth and School Broadc. (radio+TV): V. Christensen.
**STATIONS: Long and Medium Waves:**

| | kHz | m | kW | | | kHz | m | kW | |
|---|---|---|---|---|---|---|---|---|---|
| Kalundborg | 254 | 1224 | 150 | I | København | 1484 | 202 | 2 | I |
| Kalundborg | 1061 | 283 | 60 | II | Ålborg | 1484 | 202 | 0.25 | I |
| København | 1430 | 210 | 10 | II | Tønder | 1484 | 202 | 0.25 | I |
| Skive | 1430 | 210 | 70 | II | Esbjerg | 1594 | 188 | 2 | I |

| FM: | MHz | kW | Prgr | FM: | MHz | kW | Prgr |
|---|---|---|---|---|---|---|---|
| Århus | 88.1 | 30 | I | Bornholm | 90.0 | 30 | III |
| Fyn | 89.0 | 60 | I | Vestjylland | 90.2 | 60 | I |
| Ålborg | 89.7 | 30 | III | København | 90.8 | 60 | I |
| Århus | 91.7 | 30 | III | København | 96.5 | 60 | II |
| Fyn | 92.6 | 60 | III | Fyn | 96.8 | 60 | II |
| Vestjylland | 92.9 | 60 | III | Sønderjylland | 97.2 | 50 | III |
| Ålborg | 93.3 | 30 | I | Sydsjælland | 97.5 | 60 | II |
| København | 93.85 | 60 | III | Ålborg | 98.1 | 30 | II |
| Bornholm | 94.5 | 30 | I | Vestjylland | 98.5 | 60 | II |
| Sydsjælland | 94.8 | 60 | I | Bornholm | 99.3 | 30 | II |
| Sønderjylland | 95.1 | 50 | I | Sydsjælland | 99.6 | 60 | III |
| Århus | 95.9 | 30 | II | Sønderjylland | 99.9 | 50 | II |

**HOME SCE:**
**1st Prgr:** W 05.00-23.05. Sun 07.00-23.05.
**N:** 05.00 (W), 06.00 (W), 07.00, 08.00 (W), 11.30, 14.30 (W), 17.30, 21.00, 22.00 (exc. Sat), 23.00 — **Wrp:** 07.45, 10.50 (W), 17.05 — **L.L: English:** Tues, Fri 09.40-10.00 — **Rlg:** Sun 09.00, W 07.30.

*LISTEN TO*

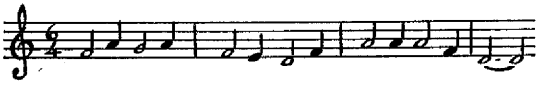
# THE VOICE OF DENMARK

| Tid GMT<br>Time GMT<br>Hora GMT | Område<br>Area<br>Area | Sprog<br>Language<br>idioma | Bølgelængde<br>Wavelength<br>Onda | Frekvens<br>Frequency<br>Frecuencia | Bemærkninger<br>Remarks<br>Observaciones |
|---|---|---|---|---|---|
| 01.00—01.45<br>01.45—02.15 | Nordamerika<br>North America | Dansk<br>English | 31.51 m. | 9.520 kc | Om søndagen er alle programmer på dansk. |
| 07.00—07.45<br>07.45—08.15 | Fjernøsten<br>Far East | Dansk<br>English | 19.78 m. | 15.165 kc | |
| 11.30—11.55 | Grønland | Dansk | 19.78 m. | 15.165 kc | |
| 12.00—12.45<br>12.45—13.15 | Nordamerika<br>North America | Dansk<br>English | 19.78 m. | 15.165 kc | |
| 13.30—13.45 | Grønland | Dansk | 19.78 m. | 15.165 kc | On Sundays all programmes in Danish |
| 14.00—14.45<br>14.45—15.15 | Sydasien<br>South Asia | Dansk<br>English | 19.78 m. | 15.165 kc | |
| 16.00—16.45<br>16.45—17.15 | Sydamerika<br>América del Sur | Dansk<br>Español | 19.78 m. | 15.165 kc | Los Domingos todos los programas en danés. |
| 17.30—18.15 | Grønland | Dansk | 19.78 m. | 15.165 kc | |
| 18.30—19.15<br>19.15—19.45 | Afrika<br>Africa | Dansk<br>English | 19.78 m. | 15.165 kc | |
| 10.15—11.00 | Test transm. | English | 31.51 m. | 9.520 kc | Sat. and Sun. only |

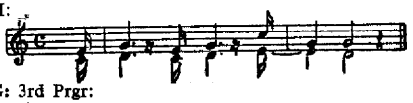
**SHORTWAVE DEPARTMENT, RADIO HOUSE, COPENHAGEN V., DENMARK**

Answer by letter or QSL-card

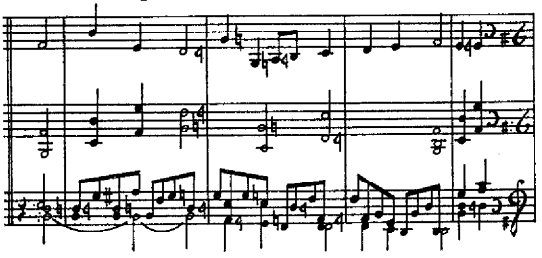
**2nd Prgr:** W 16.15-Abt. 22.00 (Sat 23.05); Sun 08.00-22.10 (Mon 18.00-18.45 not on 1061kHz (Kalundborg) and 1430kHz (Copenhagen)).
**N:** 17.30 & between 217.00-22.30—**Rlg:** Sun 13.00—**L.L: English:** Mon, Thurs, 17.05-17.25. **French:** Mon, Thurs 16.25-16.45. **Spanish:** Mon, Thurs 16.45-17.05. **Russian:** Tues, Fri 16.25-16.40.
**3rd Prgr** (Musical Prgr): W 11.00-19.00; Sun 08.00-23.05. Also 21.00-23.00 on Prgr I (this prgr. is also relayed by the tr's of the 2nd prgr: 11.00-16.00). **N:** hourly.
**Reg. Prgr's:** Mon 18.00-18.45 on 93.3MHz/1484kHz (Ålborg), 88.1MHz (Århus), 90.2MHz (Vestjylland), 95.1MHz (Sønderjylland), 1484kHz (Tønder), 1594kHz (Esbjerg), 89.0MHz (Fyn), 94.8 MHz (Sydsjælland), 90.8MHz/1484kHz (København), 94.5MHz (Bornholm).
During the times for Regional Prgr's Kalundborg I 245kHz is used for special prgr. prepared by the Shortwave Department.
**ANN:** "Danmarks Radio, Program I" (Program II) — **INT-SIG:** Prgr. I: From an old Danish folksong. D. at 11.00 and 19.00: The chimes of the Town Hall in Copenhagen.



Prgr. II:



**INT-SIG:** 3rd Prgr:

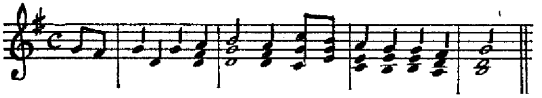


**FOREIGN SCE:**

**STATIONS** (G.C: 12.21E/55.41N): 1 x 50kW tr. OZF5 9520kHz 31.51m — OZF7 15165kHz 19.78m.

| Times | Language | kHz | Area | News |
|---|---|---|---|---|
| 01.00-01.45 | Danish | 9520 | No. Am. | 01.00(D) |
| 01.45-02.15 | **English** | 9520 | No. Am. | |
| 07.30-08.15 | Danish | 15165 | F. East | 07.30(D) |
| 08.15-08.45 | **English** | 15165 | F. East | |
| 10.15-11.00* | **English** | 9520 | Beam: 236° | |
| 11.30-11.55 | Danish | 15165 | Greenland | |
| 12.00-12.45 | Danish | 15165 | No. Am. | 12.00(D) |
| 12.45-13.15 | **English** | 15165 | No. Am. | |
| 13.30-13.45 | Danish | 15165 | Greenland | 13.30(D) |
| 14.00-14.45 | Danish | 15165 | So. Asia | 14.00(D) |
| 14.45-15.15 | **English** | 15165 | So. Asia | |
| 17.30-18.15 | Danish | 15165 | Greenland | 17.30(D) |
| 18.30-19.15 | Danish | 15165 | Africa | 18.30(D) |
| 19.15-19.45 | **English** | 15165 | Africa | |
| 20.00-20.45 | Danish | 15165 | So. Am. | 20.00(D) |
| 20.45-21.15 | Spanish | 15165 | So. Am. | 20.45(Sp) |

*Sat and Sun only (test).
Each broadcast consists of ¾ h Danish followed by ¼ h English or Spanish, and a news bulletin is the first item on the prgr. Emphasis is laid on cultural and social material, on aspects of the many facets of life in Denmark, Danish relations with the rest of the world, and also included in the prgr's are classical and light music, a DX prgr. "DX Window", topical events and mailbag get-togethers.
**INT-SIG & ANN:** Danish tr's preceded by repetition of first bars of Danish National song by Carl Nielsen:



followed by the words: "Danmarks Radio". The English tr's begin with: "This is Denmark".
**Message to Listeners:** Radio Denmark is anxious to receive reports on prgr. and on reception conditions from all parts of the world. It makes every endeavour to get into touch with countrymen and listeners in countries abroad with a view to provide the best possible sw-sce — **V.** by letter or QSL-card. Recordings accepted — **PUB:** "Voice of Denmark" (quarterly) mailed upon request — **ALF:** Kr. 55,-(radio).

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- a section entitled "Ideas and Achievements" which coversthe major developments of telecommunications in the various Member Administrations –
- articles by world experts, with a heavy emphasis recently on the latest developments in space communications –
- a comprehensive list of articles of telecommunication interest appearing in the scientific press throughout the world –
- official ITU information, including lists of forthcoming ITU Conferences and other international telecommunication meetings –
- monthly sunspot predictions –
- "Telephilately" a section devoted to stamps with telecommunications as their subject –
- section giving details of invitations to tender released by the various Member Administrations concerning telecommunication installations.

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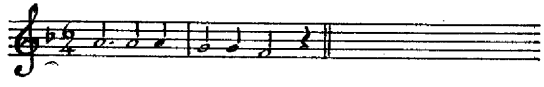
**For further information, write to: Telecommunication Journal, ITU, Place des Nations, 1211 Geneva, Switzerland.**

**AUTHORITATIVE** **READABLE** **COMPREHENSIVE**

## FAROE ISLANDS (Danish Territory)

**L.T:** GMT — **Pr.L:** Faroese.

**UTVARP FOROYA**
**ADDR:** P.O. Box 128, Tórshavn. **Te:** 1380. **Telex:** 26 — **L.P:** Mgr: N. J. Arge.
**STATIONS** (System: Marconi): 584kHz 513m 5kW.
**HOME SCE:** Mon-Fri 07.15-08.00, 12.00-13.00 (Wed 14.00), 18.30-20.00; Sat 07.15-08.00, 12.00-16.00, 18.30-21.00; Sun 14.00-18.00 — Prgr's consist of Wrp, N from the Faroes, foreign N, lectures, music, features, radioplays, interviews, morning prayer — **ANN:** "Utvarp Föroya" — **INT-SIG:** Xylofon V. by letter. Recordings accepted — **ALF:** Kr. 40,-.



## FINLAND

**L.T.:** GMT+2 h — **Pr.L:** Finnish, Swedish.

**OY YLEISRADIO AB (Gov.)**
**ADDR:** Unioninkatu 16, Helsinki. **Te:** 630691. **Cable:** Yleisradio. **Telex:** 12.735.
**L.P:** Dir. Gen: E. S. Repo. Dep. Dir. Gen, Dir. Staff Adm: L. H. Vennola. Asst. Dir. Staff Adm: R. Koski. Dir. of Finnish Prgr: J. Koskiluoma. Dir. Swedish Prgr: Ch. Schildt. Dir. Eng: P. Arni. Asst. Dir. Eng: P. Velander. Dir. Finance: A. Paananen. Asst. Dir. Finance: M. Tamminen. Head Foreign Rel: Mrs. S. Palmgren.
**STATIONS: Long and Medium Waves:**

| | kHz | m | kW | Prgr. | | kHz | m | kW | Prgr. |
|---|---|---|---|---|---|---|---|---|---|
| Lahti | 254 | 1181 | 200 | A | Vaasa | 1241 | 242 | 25 | D |
| Oulu | 433 | 693 | 10 | A | Helsinki II | 1412 | 212 | 2 | B |
| Joensuu | 520 | 577 | 1 | A | Turku II | 1412 | 212 | 0.4 | B |
| Helsinki I | 557 | 539 | 100 | D | Tampere | 1421 | 211 | 1 | A |
| Kuopio | 755 | 397 | 20 | A | Pietarsaari | 1484 | 202 | 1 | C |
| Ylivieska | 836 | 359 | 10 | A | Pori | 1484 | 202 | 1 | A |
| Turku | 962 | 312 | 100 | D | | | | | |

| FM | MHz | kW | Prgr. group |
|---|---|---|---|
| Eurajoki I | 92.0 | 15 | A |
| Eurajoki II | 87.7 | 15 | B |
| Eurajoki III | 99.4 | 3 | C |
| Forssa I | 92.8 | 0.1 | A |
| Forssa II | 89.2 | 0.1 | B |
| Helsinki I | 94.0 | 40 | A |
| Helsinki II | 91.9 | 40 | B |
| Helsinki III | 98.8 | 40 | C |
| Iisalmi I | 87.7 | 0.7 | A |
| Iisalmi II | 92.8 | 0.7 | B |
| Joutseno I | 90.7 | 25 | A |
| Joutseno II | 88.0 | 25 | B |
| Jyväskylä I | 92.5 | 25 | A |
| Jyväskylä II | 89.9 | 25 | B |
| Kajaani I | 94.3 | 40 | A |
| Kajaani II | 98.9 | 40 | B |
| Karigasniemi I | 93.4 | 0.7 | A |
| Karigasniemi II | 89.5 | 0.7 | B |
| Kaunispää I | 98.8 | 25 | A |
| Kaunispää II | 94.3 | 25 | B |
| Kerimäki I | 95.8 | 15 | A |
| Kerimäki II | 99.1 | 15 | B |
| Kilpisjärvi | 89.4 | 10W | A |
| Kokkola I | 99.7 | 3 | A |
| Kokkola II | 97.6 | 3 | B |
| Koli I | 90.1 | 15 | A |
| Koli II | 93.4 | 15 | B |
| Kuopio I | 91.6 | 25 | A |
| Kuopio II | 96.2 | 25 | B |
| Lahti I | 95.5 | 50 | A |
| Lahti II | 97.9 | 50 | B |
| Lapua I | 90.1 | 60 | A |
| Lapua II | 93.1 | 60 | B |
| Loviisa | 89.2 | 0.05 | C |
| Mariehamn | 91.3 | 5 | C |
| Mikkeli I | 88.9 | 25 | A |
| Mikkeli II | 94.6 | 25 | B |
| Nuorgam I | 88.6 | 0.02 | A |
| Nuorgam II | 95.2 | 0.02 | B |
| Näätämö | 87.8 | 10W | A |
| Oulu I | 90.4 | 50 | A |
| Oulu II | 97.3 | 50 | B |
| Pello I | 99.1 | 15 | A |
| Pello II | 89.5 | 3 | B |
| Pietarsaari | 94.3 | 10 | C |
| Pihtipudas I | 97.0 | 10 | A |
| Pihtipudas II | 88.6 | 10 | B |
| Pyhätunturi I | 97.6 | 50 | A |
| Pyhätunturi II | 91.0 | 50 | B |
| Pyhävuori I | 94.6 | 15 | A |
| Pyhävouri II | 91.0 | 15 | B |
| Pyhävouri III | 88.9 | 15 | C |
| Rovaniemi I | 96.7 | 10 | A |
| Rovaniemi II | 94.0 | 10 | B |
| Ruka I | 90.7 | 0.7 | A |
| Ruka II | 92.8 | 0.7 | B |
| Sammal-tunturi I | 95.2 | 15 | A |
| Sammal-tunturi II | 98.2 | 3 | B |
| Sippola I | 92.8 | 5 | A |
| Sippola II | 96.4 | 5 | B |
| Taivalkoski I | 89.2 | 45 | A |
| Taivalkoski II | 91.9 | 45 | B |
| Tammisaari I | 97.0 | 3 | A |
| Tammisaari II | 99.7 | 3 | B |
| Tammisaari III | 93.1 | 3 | C |
| Tampere I | 90.7 | 45 | A |
| Tampere II | 93.7 | 45 | B |
| Tervola I | 92.2 | 10 | A |
| Tervola II | 86.6 | 10 | B |
| Turku I | 94.3 | 50 | A |
| Turku II | 98.2 | 50 | B |
| Turku III | 89.8 | 50 | C |
| Utsjoki I | 90.7 | 1 | A |
| Utsjoki II | 99.4 | 1 | B |
| Vaasa | 95.2 | 6 | C |
| Ylivieska I | 94.0 | 15 | A |
| Ylivieska II | 96.1 | 15 | B |
| Ahtäri I | 94.9 | 1 | A |
| Ahtäri II | 88.0 | 1 | B |

**HOME SCE:** All st's: W 04.00-22.00. Sun 05.30-22.00. **N:** W 04.00, 05.00, 06.00, 08.00, 09.30, 10.30, 12.00, 13.00, 14.00,

15.00, 17.00, 19.00, 20.00, 21.00, 22.00. Sun 06.30, 10.30, 17.00, 19.00, 20.00, 21.00—**Wrp:** 04.00, 05.00, 06.00 (Sun 06.30), 10.30, 17.00, 20.00. **Wrp. for seas** (in Finnish and Swedish): Groups C+D 11.00 (also on 254, 433kHz), 17.10, 20.10.
**HOME SCE: Swedish N** (Groups C + D): W 04.00, 05.00, 06.10, 08.00, 09.30, 10.40, 12.00, 13.00, 14.00, 15.00, 17.20, 20.15, 22.00. Sun 06.40, 10.40, 17.30, 20.15 — **Wrp:** 04.00, 05.00, 06.10 (Sun 06.40), 10.40, 17.20, 20.15.
**Main Prgr:** Group A: Both light and serious prgr. Regular prgrs: Morning Sce's W 05.50. Evening Sce's W 17.30, Divine Sce Sun 08.00.
**Second Prgr:** Group B: Light musical prgr. to 16.00 and after 21.00. Serious prgr: 16.00-21.00.
**Bilingual Prgr:** 16.00-20.30. In addition odd hrs in the morning and early afternoon. Other times Finnish Main or Second prgr. Exclusively Swedish: Mariehamn FM 91.3MHz.

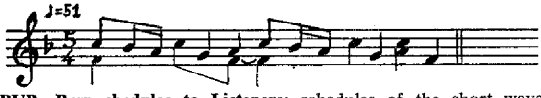
### FOREIGN SERVICE

**STATIONS:** Pori (G.C: 21.52E/61.28N):
OIX7 6120kHz 49.02m 15kW OIX4 15185kHz 19.76m 100kW
OIX2 9555kHz 31.40m 15/100kW OIX5 17720kHz 16.93m 15kW
OIX2 9585kHz 31.30m 100kW

I=for Europe, II=for No. America, III=for Europe and So. America HS=relay Home Sce, F+S=Finnish and Swedish.

| Times | kHz | Area | Prgr |
|---|---|---|---|
| 02.00-02.20 (D) | 9585 | II | **English** |
| 02.20-03.00 (D) | 9585 | II | Finnish |
| 04.00-22.00 (W) | 6120 | I | HS (F+S) |
| 05.30-22.00 (Sun) | 6120 | I | HS (F+S) |
| 21.00-22.00 (Fri) | 6120 | I | **English** |
| 06.00-06.20 (W) | 9555 | I | Finnish N: 06.00 (06.30 Sun) |
| 06.30-06.50 (Sun) | 9555 | I | Swedish N: 06.10 (06.40 Sun) |
| 10.00-11.10 (D) | 9555 | I | HS: N in Finnish 10.30 |
| | 15185 | I | N in Swedish 10.40 |
| | 17720 | III | Wrp. for seas 11.00 |
| 12.15-15.15 (D) | 9555 | I | HS (F+S)*** |
| | 15185 | II | **English:** Sat 12.15-13.15 |
| | 17720 | III | Sun 12.15-12.45 |
| 16.00-18.30 (D) | 9555 | I | HS (+S)** |
| | 15185 | I | **English:** Fri 16.00 17.00 |
| | 17720 | III | Sat 16.00-16.30 |

**) N & Wrp in Finnish 17.00; N & Wrp in Swedish 17.20; Sun 17.30-18.30 Prgr for seamen — ***) Repeat from the day before (16.00-18.30). Mon 13.45-14.45 Prgr for Seamen.
**ENGLISH "DX-Mailbag Show"** Fri 16.00-17.00 repeated Fri 21.00-22.00 & Sat 12.15-13.15; **"Finnmagazine"** Sat 16.00-16.30, repeated Sun 12.15-12.45.
**ANN:** Before and after each tr. there are st. ann. in Finnish, Swedish and English. Finnish: "Soumen Yleisradio". Swedish: "Finlands Rundradio". English: "You are tuned to the Finnish Broadcasting Company".
**INT-SIG:** Based on an old Finnish Folk melody — **V.** by QSL-card.




**PUB: Prgr-schedules to Listeners:** schedules of the short wave tr's containing the same information as given in the World Radio Television Handbook, can be obtained by writing to "DX-Editor" of the Finnish Broadc. Co.
**FI:** by license payments — **ALF:** Fmk 20,-.

### NOREA RADIO FINLAND

**FI:** By gifts from listeners and friends — **ADDR:** Kauniainen — **L.P:** Dir. Adm: E. Honkanen. Dir. Prgr: E. Hirvonen.
**D.PRGR in Finnish:** Tues and Fri 16.30-16.45 on 9575kHz (100kW) over Radio Monte Carlo.
**V.** by QSL-card.

## FRANCE

**L.T:** GMT+1 h **Pr.L:** French.

### OFFICE DE RADIODIFFUSION — TELEVISION FRANCAISE (Publicly owned)

**Central Service:**
**ADDR:** Maison de l'O.R.T.F., 116 avenue du Président Kennedy, Paris 16éme. **Cable:** ORTFDIR. **Te:** 2242222. **L.P:** Pres. du Conseil d'Adm: W. d'Ormesson. Secr. Gen. du Conseil d'Adm: J. Chauveau. Dir. Gen: J. B. Dupont. Dir. Gen. Adjoint: A. L. Astoux. Prgr's (Radio): A. Salacrou. Prgr's (T.V): G. Neveux. Secr. Gen: G. E. Clancier. Chef du Service des Affaires Générales: R. Samana. Chef du Service de la Recherche: P. Schaeffer. Délégué aux Stations Régionales: B. Gouley. Relations Publiques: G. Drouet. Inspecteurs Généraux: P. Bodin, M. Freneau, A. M. Gérard, J. Landrac. Dir. de l'Equipment et de l'Exploitation: C. Mercier. Dir. Adjoint chargé de l'Equipement: G. Chedeville. Dir. de l'Administrat on Générale: G. Riou. Dir. de la Radiodiff: P. de Boisdeffre. Dir. de la Télévision: E. J. Biasini. Dir. Adjoint: J. Thibau. Dir. des Relations Extérieures: J. Flaud. Dir. Adjoint: M. Robida.

**Regional Services:**
32-34, rue Ulysse-Gayon, Bordeaux — 2, rue Hoche, Dijon — 36, bld de la Liberté, Lille — 6, bld Victor-Hugo, Limoges — La Part Dieu, 12 rue des Cuirassiers, Lyon — 2, allée Ray-Crassi (Parc Chanot), Marseille — 6, av. Hippolyte-Maringer, Nancy — 9, av. Janvier, Rennes — Place de Bordeaux, Strasbourg — 78, allées Jean-Jaurés, Toulouse.

### HOME SERVICES

**FRANCE INTER**

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Allouis* | 164 | 1829 | 1100/500 | Marseille | 1493 | 200.9 | 1 |
| | | | | Strasbourg | 1493 | 200.9 | 1 |
| Grenoble | 1484 | 202.2 | 1 | Nimes | 1594 | 188.2 | 1 |
| Montpellier | 1484 | 202.2 | 1 | Toulon | 1594 | 188.2 | 1 |
| Perpignan | 1484 | 202.2 | 1 | Allouis** | 6175 | 48.58 | 100 |

*05.00-23.00 1100kW; **11.00-22.00.

**D.PRGR:** On 164kHz: 24 h exc. Fri 03.03-04.00. Other tr's: 05.00-23.00. **N:** On the h and 06.30. **"Inter Service Route"** (for motorists): 00.20, 03.45, 04.50, 06.55, 10.57, 18.15.

**FRANCE INTER VARIETES:**

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Paris | 584 | 514 | 1 | Pau | 1403 | 214 | 20 |
| Lyon | 602 | 498 | 300 | Bayonne | 1493 | 201 | 4 |
| Marseille | 674 | 445 | 150 | Brest | 1493 | 201 | 0.05 |
| Rennes | 710 | 423 | 150 | Nantes | 1493 | 201 | 0.05 |
| Limoges | 791 | 379 | 100 | Amiens | 1484 | 202 | 0.05 |
| Nancy | 836 | 359 | 150 | Caen | 1484 | 202 | 0.05 |
| Toulouse | 944 | 318 | 100 | Dijon | 1484 | 202 | 1 |
| Paris II | 1070 | 280 | 100 | Poitiers | 1484 | 202 | 1 |
| Strasbourg | 1160 | 259 | 150 | Ajaccio | 1493 | 201 | 1 |
| Bordeaux | 1205 | 249 | 100 | Reims | 1493 | 201 | 0.05 |
| Lille | 1376 | 218 | 150 | Tours | 1493 | 201 | 0.05 |
| Bastia | 1403 | 214 | 4 | Nice | 1554 | 193 | 300 |
| Brest | 1403 | 214 | 20 | Lorient | 1594 | 188 | 0.05 |
| Clermont-Fd. | 1403 | 214 | 20 | Metz | 1594 | 188 | 0.05 |
| Montpellier | 1403 | 214 | 10 | Angers | 1594 | 188 | 0.05 |
| Rouen | 1403 | 214 | 20 | St. Quentin | 1594 | 188 | 0.05 |

**FM** *=0.05kW, **=2kW; ***=0.25kW; others 12kW.

| | MHz | | MHz | | MHz |
|---|---|---|---|---|---|
| Ajaccio** | 92.4 | Digne* | 97.9 | Nimes* | 96.8 |
| Amiens* | 95.95 | Dijon** | 95.9 | Niort | 99.4 |
| Angers* | 93.2 | Gap* | 96.6 | Paris | 93.35 |
| Aurillac** | 94.5 | Gex** | 94.4 | Perpignan** | 92.1 |
| Bastia** | 95.9 | Grenoble** | 99.4 | Reims | 96.8 |
| Bayonne* | 91.0 | Le Havre*** | 88.9 | Reims* | 97.43 |
| Besançon** | 90.0 | Le Mans | 92.6 | Rennes | 93.55 |
| Bordeaux** | 89.7 | Lille | 94.7 | Rouen | 96.5 |
| Boulogne* | 95.5 | Limoges | 93.0 | St. Quentin* | 87.93 |
| Bourges | 94.9 | Lyon | 99.8 | St. Raphaël** | 96.3 |
| Brest | 93.0 | Marseille | 91.27 | Strasbourg | 97.3 |
| Caen | 99.6 | Metz | 98.5 | Toulon** | 94.9 |
| Carcassonne | 88.3 | Metz* | 99.8 | Toulouse** | 87.9 |
| Chambery* | 99.0 | Mézièrcs** | 95.8 | Tour* | 98.7 |
| Cherbourg* | 94.15 | Mulhouse | 95.7 | Troyes | 95.3 |
| Clermont-Fd.** | 90.4 | Nancy*** | 96.9 | Valenciennes* | 97.2 |
| | | Nantes | 90.6 | Vannes** | 88.6 |

Projected: Antisanti*, Boulogne***, Chambery**, Longwy**.

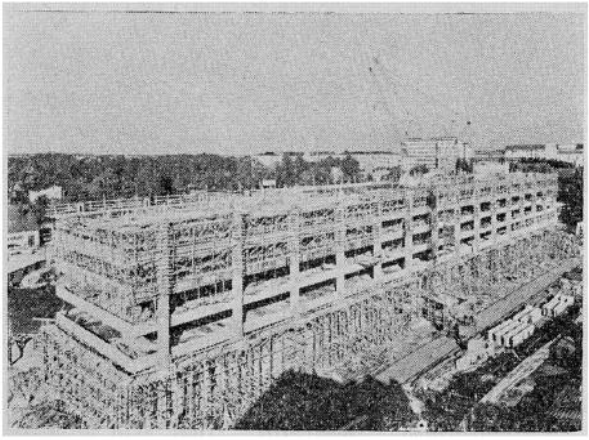
**D.PRGR:** D 19.30-23.00, Sun also 14.00-17.00. **N:** see France Inter — **Reg. Prgr's** (mw): W 05.30-05.45, 06.30-07.00, 11.30-11.45, 18.15-18.25; Mon also 19.40-23.00, Fri 21.05-22.00; Sun 13.03-14.00, 17.00-18.00, 18.30-18.50.
Nice (1554kHz) relays France-Inter (164kHz) at 23.00-05.00 exc. Fri 00.00-05.00.

**FRANCE CULTURE**

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Bayonne | 539 | 557 | 0.05 | Strasbourg | 1277 | 235 | 100 |
| Paris | 863 | 348 | 300 | Bordeaux | 1349 | 222 | 20 |
| Brest | 1241 | 242 | 20 | Grenoble | 1349 | 222 | 20 |
| Lille | 1241 | 242 | 20 | Limoges | 1349 | 222 | 20 |
| Lyon | 1241 | 242 | 20 | Nantes | 1349 | 222 | 10 |
| Marseille | 1241 | 242 | 20 | Toulouse | 1349 | 222 | 20 |
| Nancy | 1241 | 242 | 20 | Saint-Brieuc | 1493 | 201 | 0.05 |
| Nice | 1241 | 242 | 20 | Besançon | 1493 | 201 | 1 |
| Rennes | 1241 | 242 | 24 | | | | |

**FM:** *=0.05kW; **=2kW; ***=0.25kW; others 12kW.

At the moment the Finnish Broadcasting Company's activities are carried out at over 40 different addresses. This period of being divided will end next autumn with the completion of the new office building, now under construction near the Sibelius Park. The total cubic contents of the building will be 70.000 m³ with seven storeys above the surface and a total area of 17.500 m² Into this building will move the company's administration, the Finnish and Swedish programme sections and the technical department of the sound radio, the economical department, the personnel department, the foreign relations and the information service.



# THE FINNISH BROADCASTING COMPANY

| | MHz | | MHz | | MHz |
|---|---|---|---|---|---|
| Ajaccio** | 97.6 | Grenoble** | 88.2 | Niort | 96.4 |
| Aurillac** | 98.0 | Le Havre*** | 93.3 | Paris | 97.6 |
| Bastia** | 89.2 | Le Mans | 89.0 | Perpignan** | 99.8 |
| Besançon** | 97.7 | Lille | 98.0 | Reims | 98.85 |
| Bordeaux** | 98.1 | Limoges | 89.5 | Rennes | 98.3 |
| Bourges | 88.5 | Lyon | 88.8 | Rouen | 94.0 |
| Brest | 97.8 | Marseille | 99.0 | St-Raphaël** | 88.7 |
| Caen | 91.53 | Metz | 94.5 | Strasbourg | 87.7 |
| Carcassonne | 96.5 | Mézières** | 90.1 | Toulon** | 98.6 |
| Clermont-Fd** | 98.6 | Mulhouse | 88.6 | Toulouse** | 95.7 |
| Dijon** | 93.7 | Nancy*** | 88.7 | Troyes | 97.9 |
| Gex** | 96.7 | Nantes | 94.2 | Vannes** | 96.0 |

**Projected:** Antisanti***, Boulogne***, Chambéry**, Longwy**.

**D.PRGR:** 06.00-23.00. **N:** 06.30, 11.30, 18.15. **Reg.Prgrs.** from Grenoble, Strasbourg (mw) and Besançon (FM). Break in tr for mw's (exc. Paris) Fri 15.00-17.00 and FM tr's Wed 15.00-17.20.

**FRANCE MUSIQUE:**

**FM:** * 0.05kW; ** 2kW; *** 0.25kW; others 12kW.

| | MHz | | MHz | | MHz |
|---|---|---|---|---|---|
| Ajaccio** | 88.0 | °Gex** | 89.6 | Niort | 91.1 |
| Aurillac** | 91.9 | Grenoble** | 91.8 | °Paris | 90.35 |
| Bastia** | 93.9 | °Le Havre*** | 98.5 | Perpignan** | 97.2 |
| Besançon** | 92.9 | Le Mans | 97.0 | °Reims | 89.2 |
| °Bordeaux** | 93.5 | °Lille | 88.7 | Rennes | 89.9 |
| Boulogne* | 89.4 | Limoges | 97.5 | °Rouen | 92.0 |
| Bourges | 91.8 | °Lyon | 92.4 | St. Raphaël** | 99.6 |
| Brest | 89.4 | °Marseille | 94.2 | °Strasbourg | 95.0 |
| °Caen | 95.6 | °Metz | 89.7 | Toulon** | 97.1 |
| Carcassonne | 90.9 | Mézières** | 93.5 | °Toulouse** | 91.5 |
| °Clermont-Fd.** | 95.5 | Mulhouse | 91.6 | Troyes | 91.4 |
| Dijon** | 99.2 | °Nancy*** | 91.8 | Vannes** | 91.8 |
| | | Nantes | 98.9 | | |

°) Stereophonic broadcasts — **Projected:** Antisanti***, Chambery**, Longwy**.

**D.PRGR:** 06.00-23.00. **N:** 06.30, 11.30, 18.15 — All tr's (exc. Paris) have a break in tr's Thurs and Fri 07.15-10.30.

**FOREIGN LANGUAGE BROADCASTS ON MEDIUM WAVES**

**German:** 18.00-18.45 (Sun 18.40-19.30) on 1277kHz (Strasbourg) **Italian:** W 05.30-05.40 on France Culture Netw — **Polish:** 17.30-18.00 on 1376kHz (Lille) — **Portuguese:** W 05.40-05.50 on France Culture Netw — **Spanish:** W 05.50-06.00 on France Culture Netw, 22.00-23.00 on 944kHz (Toulouse).

**SPECIAL BROADCASTS:**

Paris IV 962kHz 312m 10kW+FM 87.8MHz 12kW: Sat 13.00-17.00, Sun 08.00-16.00 (University broadcasts).

**ANN:** "France Inter" — "Inter Variétés" — "France Culture" — "France Musique".

**INT-SIG:** France Inter:

France Culture:

France Musique:

**FOREIGN SERVICE**

**STATIONS:** Allouis et Issoudun:

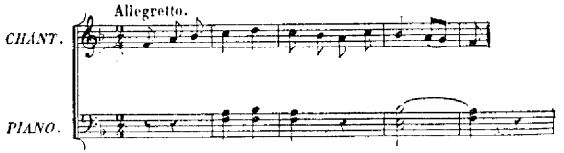
(G.C: 02.00E/47.00N, 02.13E/47.10N): 20 x 100kW tr's.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 5955 | 50.38 | 9570 | 31.35 | 15110 | 19.85 | 17740 | 16.91 |
| 5960 | 50.34 | 9585 | 31.30 | 15120 | 19.84 | 17765 | 16.89 |
| 6175 | 48.58 | 9620 | 31.19 | 15130 | 19.83 | 17800 | 16.85 |
| 7160 | 41.90 | 9755 | 30.76 | 15160 | 19.79 | 17850 | 16.81 |
| 7180 | 41.78 | 11845 | 25.33 | 15245 | 19.68 | 21520 | 13.94 |
| 7280 | 41.21 | 11885 | 25.24 | 15295 | 19.62 | 21580 | 13.90 |
| 9525 | 31.50 | 11920 | 25.17 | 17730 | 16.92 | 21620 | 13.87 |
| 9560 | 31.38 | 11970 | 25.06 | | | | |

I=Polynesia/New Caledonia/New Hebrides; II=Africa; III=Antarctica; IV=Antilles/Guyana/St. Pierre & Miquelon; V=Far East; VI=Reunion; VII=Middle East; VIII=Canada; IX=Latin America; X=Europe.

| Arabic | Area | kHz |
|---|---|---|
| 11.30-12.10 | VII | 17740, 21620 |
| 17.30-19.00 | VII | 11920, 15160 |
| 19.00-22.00 | II | 7280, 9585 |
| **Bulgarian** | | |
| 16.30-17.00 | X | 5955, 7180, 9620, 11845 |
| **Czech** | | |
| 18.40-19.05 | X | 5955, 7180, 9620, 11845 |
| **English** | | |
| 13.00-13.30 | V | 15245, 17740 |
| 19.15-19.30 | II | 15245, 21580 |
| **French** | | |
| 06.00-06.30 | I | 5960, 11845 |
| 07.00-07.30 | VI | 17765, 21620 |
| 07.30-08.00 (Mon) | III | 17765, 21620 |
| 08.00-09.00 | I | 5960, 9620, 11845 |
| 09.00-10.00 (Sun) | X | 7160 |
| 10.30-11.00 | IV | 15245, 17765 21580 |
| 11.00-12.00 | IV | 15245 |
| 11.00-12.30 | IV | 17765, 21580 |
| 11.00-22.00 | X | 6175 |
| 13.30-14.00 | V | 15245, 17740, 21580 |
| 14.00-17.00 (Sun) | II | 21580 |
| 15.00-16.00 | VI | 17765, 21620 |
| 15.30-15.45 | VII | 15160, 17755, 21640 |
| 15.45-20.00 | VII | 15160 |
| 15.45-20.45* | X | 11920 |
| 19.00-19.15 | II | 15245, 21580 |
| 19.00-19.30 | VII | 15210 |
| 20.00-21.00 | I | 11845 |
| 21.00-22.00 | IV | 9525, 11885, 15120 |
| **French** | **Area** | **kHz** |
| 00.00-00.30 | IX | 11845, 15245, 17730 |
| **Greek** | | |
| 12.15-12.45 | X | 15160, 17800 |
| **Hungarian** | | |
| 18.10-18.40 | X | 5955, 7180, 9620, 11845 |
| **Polish** | | |
| 10.00-11.00 (Sun) | X | 9560 |
| 19.20-20.00 | X | 5955, 7180, 9620, 11845 |
| **Portuguese** | | |
| 18.45-19.00 | II | 15245, 21580 |
| 19.00-19.30 | X | 7160, 9560 |
| 23.15-23.45 | IX | 11845, 17730 |
| **Rumanian** | | |
| 17.00-17.30 | | 5955, 7180, 9620, 11845 |
| **Russian** | | |
| 15.45-16.30 | X | 5955, 7180, 9620, 11845 |
| **Serbo-Croat** | | |
| 17.40-18.10 | X | 5955, 7180, 9620, 11845 |
| **Slovak** | | |
| 19.05-19.20 | X | 5955, 7180, 9620, 11845 |
| **Slovenian** | | |
| 17.30-17.40 | X | 5955, 7180, 9620, 11845 |
| **Spanish** | | |
| 23.00-23.15 | IX } | 9755, 11845, 15245, 17730 |
| 00.30-01.30 | IX } | |
| 01.30-02.00 | IX } | |

**ANN:** "Ici Paris, Office de Radiodiffusion-Télévision Française"
**INT-SIG:** Popular song: "Nous n'irons plus au bois"




**V.** by QSL-card. **ALF:** Frcs 30,-.

**O.C.O.R.A. (Office de Coopération Radiophonique).**
an organization the purpose of which is improvement and development of Broadc. and Television in "les Etats Indepen-dants d'Afrique d'expression Française".
**ADDR:** 46, rue d'Amsterdam, Paris 9é. **Cable:** O.C.O.R.A. **Te:** 285.11.11 — **L.P:** Pres. of the Board of Adm: J. B. Dupont. Dir. Gen: F. Cardin. Secr. Gen: G. Ridoux.
**STATIONS:** R. Bujumbura (Burundi), R.diff. de Cameroun (Yaoundé, Doùala, Garoua), R. Bangui (Bangui), R. Congo (Brazzaville), R.diff. Nationale (Kinshasa), R. Abidjan (Abidjan), R.diff. du Dahomey (Cotonou), R. Gabon (Libréville), R. Haute Volta (Ouagadougou), R.diff. Nationale Malgache (Tananarive), R. Mali (Bamako), R. Mauritania (Nouakchott), R. Niger (Niamey), R. Rwanda (Kigali), R.diff. du Senegal (Dakar), R.diff. Nationale Tchadienne (Fort Lamy), R.diff. du Togo (Lomé).

# GERMANY

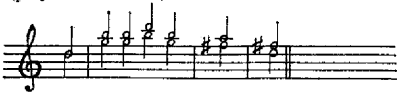
## GERMAN FEDERAL REPUBLIC

**L.T.:** GMT+1 h — **Pr.L:** German.
**Arbeitsgemeinschaft der öffentlich-rechtlichen Rundfunkanstalten der Bundesrepublik Deutschland (ARD).**
Broadcasting (Radio and Television): Chmn: Intendant Chr. Wallenreiter, Bayerischer Rundfunk, 8 München 2, Rundfunk-platz 1 — **Permanent Office:** Assessor Chr. Strupp, 6 Frankfurt/ Main, Bertramshof — **Members:** Bayerischer, Hessischer, Nord-deutscher, Saarländischer, Süddeutscher und Westdeutscher Rund-funk, Radio Bremen, Sender Freies Berlin, Südwestfunk, Deutschlandfunk, Deutsche Welle, and as guest partaker at meetings: RIAS, Berlin. **ALF:** DM 84.00 (Radio 24.00+TV 60.00).

**DEUTSCHLANDFUNK (Gemeinnützige Anstalt des öffenlichen Rechts)**
**Purpose:** Veranstaltung von Rundfunksendungen für Deutschland und das europäische Ausland, die ein umfassendes Bild Deutsch-lands vermitteln.
**ADDR:** Köln-Marienburg, Lindenalle 7. **Te:** 37031.
**L.P:** Intendant: F. Thedieck. Chief Editor: F. Barsig. Dir. Cultural Prgr: Dr. J. Petersen. European Prgr: Dr. H. Laeuen. Sendeleiter: E. Imelmann. Verwaltungsdirektor and Justitiar: Freiherr von Sell. Dir. of Engineering: O. Scheffler. Chief Press Dept: Dr. K. Wagenführ.

| STATIONS | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Mainflingen | 151 | 1986 | 50 | Ravensburg | 755 | 397 | 40 |
| Donebach | 151 | 1986 | 70 | Neumünster | 1268 | 236.6 | 300 |
| Königslutter | 548 | 547 | 400 | Mainflingen | 1538 | 195 | 350 |
| Bad Dürrheim | 548 | 547 | 20 | | | | |

**N:** Every h on the h 04.00-03.00, also at 04.30, 05.30, 06.30, 07.30, 18.30, 20.30 — **"Deutschlandecho":** W 18.05 — **"Die Woche in Deutschland":** Sat 18.45 — **Themen des Tages":** Mon-Fri 18.45 — **"Prisma der Welt":** Mon, Wed, Thurs, Sat 20.40 — **"Wirtschaftsfunk":** Mon-Fri 17.05.
**FOREIGN SCE: On 1538kHz:** W 19.00-22.10.
19.00 Polish, 19.30 Czech, 20.00 Serbian/Croatian, 20.30 Ru-manian, 21.00 Hungarian, 21.30 French.
**On 1268kHz:** W 18.00-21.00.
18.00 English, 19.30 Dutch, 20.00 Danish, 20.20 Norwegian, 20.40 Swedish.
**ANN:** "Hier ist der Deutschlandfunk" — **INT-SIG:** "Du Land voll Lieb' und Leben" from the folksong "Ich hab' mich ergeben" (played on Celeste).



**DEUTSCHE WELLE (Anstalt des öffentlichen Rechts)**
**ADDR:** Bruederstr. 1, Postfach 344, 5 Köln. **Te:** 20301. **Telex:** 888485 — **L.P:** Intendant: Dr. Hans Otto Wesemann. Dir. Prgr: H. von Plato. Dir. Tec: G. Roessler. Dir. Adm: Dr. H. Fellhauer. Dir. Transcription: C. von Chmielewski. DX-Editor: G. G. Thiele.
**Stations:** Jülich DMQ — 7 x 100kW Kigali/Rwanda (relay): 1 x 250kW. **G.C:** Jülich 06.22E/50.57N — Kigali 30.07E/01.53S.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 6025 | 49.79 | 9605 | 31.23 | 11965 | 25.07 | 17765 | 16.89 |
| 6075 | 49.38 | 9610 | 31.22 | 15205 | 19.73 | 17790 | 16.86 |
| 6100 | 49.18 | 9640 | 31.12 | 15245 | 19.68 | 17830 | 16.83 |
| 6120 | 49.02 | 9655 | 31.07 | 15275 | 19.64 | 17845 | 16.81 |
| 6145 | 48.82 | 9735 | 30.82 | 15300 | 19.61 | 17875 | 16.79 |
| 6185 | 48.50 | 9765 | 30.72 | *15315 | 19.59 | 21560 | 13.91 |
| 7130 | 42.08 | 11785 | 25.46 | 15380 | 19.50 | 21580 | 13.90 |
| 7275 | 41.24 | 11795 | 25.43 | 15405 | 19.47 | *21645 | 13.86 |
| 7290 | 41.15 | 11905 | 25.20 | 15410 | 19.47 | 21650 | 13.86 |
| 9545 | 31.43 | 11925 | 25.16 | 15435 | 19.44 | 21705 | 13.83 |
| 9565 | 31.36 | 11945 | 25.12 | | | | |

*) used March/April only.

**OVERSEAS SERVICE**

**Abbreviations:** I=Ea. Asia/Australia/New Zealand; II=So. Asia; III=No. Africa/M. East; IV=Europe; V=Africa; VI=We. Africa; VII=So. America (East); VIII=No. America (East); IX=C. America; X=No. America (West); XI=East Europe; XII=So. Europe.
**GERMAN PRGR:** * Relay st. Kigali.

| H. of tr | Area | Nov-Apr. kHz/Beam |
|---|---|---|
| 06.45-09.45 | I | 11795(260°), 15205(250°), 21580(80°) |
| 06.45-09.45 | IV | 6075(nd) |
| 12.50-15.50 | II | 17875(90°), 21705(90°) |
| 16.00-19.00 | III | 11795(115°), 15405(115°) |
| 16.00-19.00 | IV | 6075(nd) |
| 17.15-20.15 | V | 11785(160°), 15275(160°) |
| 20.30-23.30 | VI | 15380*(288°) |
| 22.30-01.30 | VII | 9735(220°260°), 11925(230°), 15410(230°) |
| 00.00-03.00 | VIII | 6100(295°), 9545(295°), 11795(295°) |
| 01.45-04.45 | IX | 6145(280°), 9605(280°) |
| 03.00-06.00 | X | 6100(320°), 9735(320°), 11795(320°) |

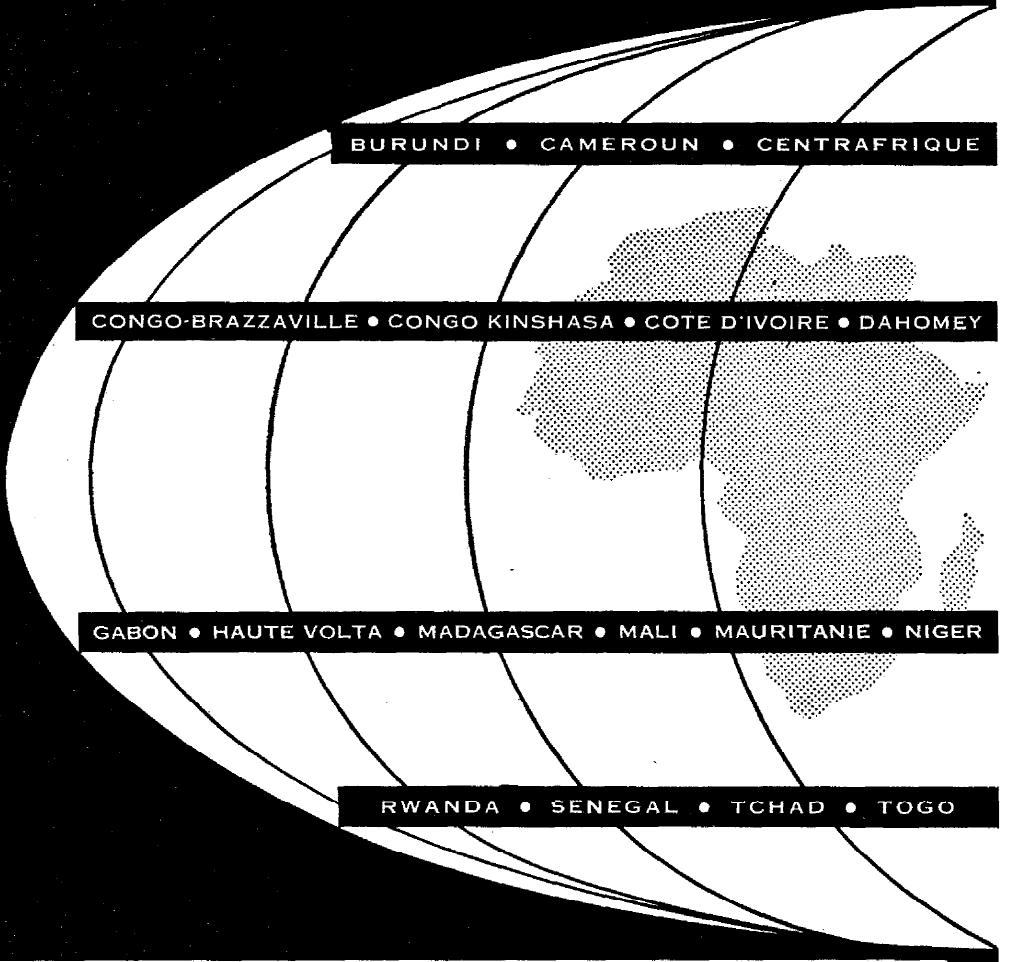
**Comm:** After first N — **"Wie wir leben":** Wed — **"Unter uns gesagt":** Wed — **DX Prgr:** (in German and English): Every second Mon/Tues: 09.15, 15.20, 18.30, 19.45, 23.00, 01.00, 02.30, 04.15, 05.30 — **Technische Hinweise** (in German): Every fourth Mon/Tues: Times as for DX-Prgr.

**FOREIGN LANGUAGE PRGR:** (Freq's in brackets used in March/April).

| H. of tr. | Area | Nov.-April (kHz) (Beam) | L. | N. |
|---|---|---|---|---|
| 01.30-02.50 | VIII | 9640/11945(295°) | **English** | 01.32 |
| 03.00-03.40 | II | 9640/11945(90°) | **English** | 03.02 |
| 03.00-03.30 | V | *9565 | Amharic | 03.02 |
| 03.45-04.30 | V | *9565(nd) | Swahili | 03.47 |
| 04.30-05.00 | V | | **English** | 04.32 |
| 05.00-05.30 | V | | French | 05.02 |
| 03.45-04.20 | VII/IX | 9640(230°)/11945(260°) | Spanish | 03.47 |
| 04.25-05.50 | III | 9610/11965 | Arabic | 04.27 |

# OCORA

**OFFICE DE COOPÉRATION RADIOPHONIQUE**


BURUNDI • CAMEROUN • CENTRAFRIQUE
CONGO-BRAZZAVILLE • CONGO KINSHASA • COTE D'IVOIRE • DAHOMEY
GABON • HAUTE VOLTA • MADAGASCAR • MALI • MAURITANIE • NIGER
RWANDA • SENEGAL • TCHAD • TOGO

**46 RUE D'AMSTERDAM - PARIS 9e - 285.11-11**

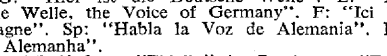
**Société d'Etat de la République Française chargée d'apporter son assistance technique aux Etats Africains et Malgache dans le domaine de la radiodiffusion sonore et visuelle.**

ORGANITEC PUBLICITÉ PARIS

# Germany

| H. of tr. | Area | kHz (Beam | L. | N. |
|---|---|---|---|---|
| 04.45-05.45 | X | 9545/11945(320°) | **English** | 04.47 |
| 05.55-06.35 | VII | 9545(260°)/11945(230°) | Spanish | 05.57 |
| 05.45-06.30 | VI | *11905(288°) | **English** | 05.47 |
| 06.30-07.00 | VI | | Hausa | 06.32 |
| 07.00-07.45 | VI | | French | 07.02 |
| 06.00-06.30 | V | 11785/15275/17845(160°) | **English** | 06.02 |
| 06.30-07.00 | V | | Hausa | 06.32 |
| 07.00-07.25 | V | | French | 07.02 |
| 06.10-06.40 | XII | 9675/11795 | Turkish | 06.12 |
| 07.30-08.05 | II | 15275/17845/21650 | Hindi | 07.32 |
| 08.05-08.40 | II | | Urdu | 08.07 |
| 08.45-09.40 | I | 15275(260°), 17845(40°), 21650(70°) | **English** | 08.47 |
| 10.45-11.00 | V | *11785(nd) | **English** | 10.47 |
| 11.00-11.45 | V | | Swahili | 11.17 |
| 09.50-10.40 | III | 17845/21650 | Persian | 09.52 |
| 09.55-10.30 | V | 15275/17875/21560(160°) | Swahili | 09.57 |
| 10.30-10.45 | V | | Hausa | 10.32 |
| 10.45-11.00 | V | | **English** | 10.47 |
| 11.00-11.15 | V | | French | 11.02 |
| 11.15-11.45 | V | | Amharic | 11.17 |
| 10.00-10.30 | XII | 11795 | Greek | 10.02 |
| 10.20-10.50 | XII | 9735 | Italian | 10.22 |
| 10.45-10.55 | VIII | 9605/11905(295°) (11905/15345) | **English** | 10.47 |
| 11.00-12.00 | XI | 9640/11965 | Rumanian | 11.02 |
| 11.05-12.05 | XI | 6145/7130 | Czech/Slov. | 11.07 |
| 11.50-12.45 | I | 15245/17845 | Mandarin | 11.52 |
| 12.00-12.45 | VI | *17765(288°) | **English** | 12.02 |
| 12.45-13.15 | VI | | Hausa | 12.47 |
| 13.15-14.00 | VI | | French | 13.17 |
| 12.10-13.20 | I | 15300/17830/21650 | Indonesian | 12.12 |
| 12.20-13.20 | XI | 11925/15435 | Bulgarian | 12.22 |
| 13.30-14.30 | XI | 6075/7275/9640 | Hungarian | 13.32 |
| 13.30-15.00 | XI | 7130/9735 | Polish | 13.32 |
| 14.15-14.45 | V | *15245 | Amharic | 14.17 |
| 14.40-15.50 | XI | 7275/9640 | **Serbo/Croat. | 14.42 |
| 15.00-16.15 | V | *9735(nd) | Swahili | 15.02 |
| 16.15-16.45 | V | | French | 16.17 |
| 16.45-17.30 | V | | **English** | 16.47 |
| 15.10-16.10 | XI | 9545/11925 | Russian | 15.12 |
| 15.50-16.20 | II | 15275/17875(90°) | **English** | 15.52 |
| 16.20-17.05 | XI | 6025/7130 | Czech/Slovak | 16.22 |
| 16.25-17.20 | III | 15435/17765 | Persian | 16.27 |
| 17.25-17.55 | XII | 11925/15245 | Turkish | 17.27 |
| 17.45-18.45 | VI | *17765(288°) | **English** | 17.47 |
| 18.45-19.45 | VI | | French | 18.47 |
| 19.45-20.15 | VI | | Hausa | 19.47 |
| 18.00-19.30 | XI | 7130/9765 | Russian | 18.02 |
| 19.00-19.10 | VIII | 15405/17790(295°) | **English** | 19.02 |
| 19.15-20.40 | III | 9655/9735/11795 | Arabic | 19.17 |
| 19.40-20.30 | XII | 6120(230°)/9605(220°) | Spanish | 19.42 |
| 20.40-21.30 | XII | 6120(230°) | Portuguese | 20.42 |
| 20.45-21.30 | XI | 6185/7130 | Rumanian | 20.47 |
| 21.05-21.25 | V | 11925/15275(160°) | Amharic | 21.07 |
| 21.25-21.45 | V | | Swahili | 21.27 |
| 21.45-22.05 | V | | **English** | 21.47 |
| 22.05-22.25 | V | | French | 22.07 |
| 21.10-22.00 | I | 7290(70°), 9765(80°) | **English** | 21.12 |
| 21.40-22.40 | VII | 9545(260°)/11795(230°)/ | Portuguese | 21.42 |
| 22.40-23.50 | VII/IX | 15435(230°) | Spanish | 22.42 |

* Relay St. Kigali; ** 15.20-15.50 Slovenian (Tues/Thurs/Sat).
**ANN:** G: "Hier ist die Deutsche Welle". E: "This is R. Deutsche Welle, the Voice of Germany". F: "Ici la Voix de l'Allemagne". Sp: "Habla la Voz de Alemania". P: "Esta é Voz de Alemanha".
**INT-SIG:** Motif from "Fidelio" by Beethoven: "Es sucht der Bruder seine Brüder" played on Celeste.



**V.** by QSL-card (10 min. prgr. details required). Recordings accepted — **PUB:** Monthly Prgr. sched. free.

**BAYERISCHER RUNDFUNK** (Anstalt des öffentlichen Rechts).
**ADDR:** 8 München 2, Rundfunkplatz 1. **Cable:** Bayernfunk. **Te:** 59001 — **L.P:** Intendant: Chr. Wallenreiter. Prgr. Dir: W. von Cube. Dir. Adm: H. Spies. Dir. Tec: Dr. F. Daser.

**HOME SERVICE**

**FIRST PRGR.** on all frequencies: W 04.30 (Sat, Sun 05.00)-24.00 (exc. 08.55-09.35 m.w. only). * night only.

| M.Waves: | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Bayreuth | 520 | 577 | 0.2 | Hof | 1602 | 187 | 1 |
| Würzburg | 520 | 577 | 0.2 | Land./Isar | 1602 | 187 | 20* |
| Passau | 520 | 577 | 0.2 | Kirchheim | 1602 | 187 | 20* |
| München | 800 | 375 | 100 | Coburg | 1602 | 187 | 1 |
| Nürnberg | 1602 | 187 | 20/40 | Regensburg | 1602 | 187 | 1* |

**Short Wave** (G.C: 11.45E/48.15N): DMR24 6085kHz 49.30m 10kW: 04.30 (Sat/Sun 05.00)-24.00.

| FM: | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Berchtesgaden I | 3 | 87.8 | 0.3 | Wendelstein I | 22 | 93.7 | 100 |
| Lindau I | 4 | 88.1 | 0.4 | Garm. Partenk. I | 22 | 93.5 | 0.5 |
| Herzogstand I | 4 | 88.1 | 0.1 | Bamberg I | 26 | 94.8 | 6 |
| Dillberg I | 6 | 88.9 | 24 | Aschaffenburg I | 29 | 95.6 | 17 |
| Landshut I | 11 | 90.2 | 0.1 | Ochsenkopf | 30 | 96.0 | 100 |
| Grünten/ Allgäu I | 12 | 90.7 | 100 | Fichtelg. I | | | |
| München I | 14 | 91.3 | 3 | Hoher Bogen I | 33 | 96.8 | 30 |
| Hühnerberg I | 16 | 91.9 | 6 | Traunstein Hb. | 37 | 98.0 | 2 |
| Bad Reichenh. I | 19 | 92.8 | 0.3 | Kreuzb./Rhön I | 38 | 98.3 | 100 |

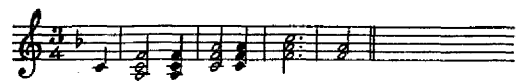
**N. Wrp:** W 05.00, 06.00, 07.00, 11.00, 12.00, 16.00, 18.00, 20.00, 22.00, 23.00. Sun 06.00, 07.00, 12.00, 16.00, 18.00, 20.00, 22.00, 23.00 — **"Cronik des Tages":** W 17.00 — **Request Prgr:** Wed 18.25. **Night Prgr:** D 00.00-04.20 on 520kHz (Bayreuth, Würzburg) 1602kHz (Nürnberg, Kirchheim, Landau/Isar, Hof, Coburg) and on all FM st's exc. 96.0MHz — **N:** 00.00, 01.00, 02.00, 03.00, 04.00 — **T.S:** 11.00, 17.00, 23.00 — **N. in English, French, German:** 08.00.

**SECOND PRGR:** Mon-Fri: 04.30-08.50, 09.30-24.00. Sat, Sun: 05.00-24.00 — **Relay First Prgr:** 04.30-05.05, 06.00-07.15, Mon-Fri: 11.05-12.00, Wed, Fri, Sat: 23.00-24.00, Sun: 05.00-06.05, 23.00-24.00.

| FM: | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Gelbelsee | 2 | 87.6 | 10 | Ochsenkopf/ Fichtelgeb. II | 12 | 90.7 | 100 |
| Tegernseer Tal | 2 | 87.7 | 0.3 | Berchtesgaden II | 14 | 91.2 | 0.3 |
| Augsburg | 3 | 87.9 | 0.75 | Brotjacklriegel | 17 | 92.1 | 100 |
| Büttelb/Frankh. | 4 | 88.2 | 7 | Lindau II | 17 | 92.0 | 0.4 |
| Coburg | 4 | 88.3 | 2 | Dillberg II | 18 | 92.3 | 24 |
| Aschaffenb. II | 5 | 88.4 | 6 | Hohe Linie | 20 | 93.0 | 8 |
| München II | 5 | 88.4 | 3 | Kreuzb./ Rhön II | 20 | 93.1 | 100 |
| Grünten/ Allgäu II | 6 | 88.7 | 100 | Passau II | 21 | 93.2 | 0.3 |
| Würzburg II | 7 | 89.0 | 2 | Hoher-Bogen II | 25 | 94.4 | 2 |
| Garm.- Partenk. II | 7 | 89.2 | 0.5 | Herzogstand II | 33 | 97.0 | 0.1 |
| Wendelstein II | 8 | 89.5 | 100 | Landshut II | 36 | 97.8 | 0.1 |
| Bamberg II | 9 | 89.6 | 6 | Bad Reichenhall II | 42 | 99.5 | 0.3 |
| Hohenpeissenb. | 10 | 89.9 | 8 | | | | |

**N:** W 05.00, 06.00, 07.00, 11.00, 17.00, 19.00, 21.00, 23.00, Sun 06.00, 11.05, 19.00, 21.00, 23.00 — **Request Prgr:** Sun 13.00.

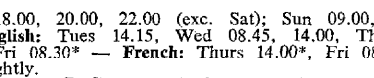
**THIRD PRGR:** Grünten III ch 29 95.8MHz 100kW, München III ch34 97.3MHz 3kW, Dillberg III ch36 97.9MHz 12kW, Hühnerberg III ch42 99.5MHz 3kW.
For foreign workers: 17.00 Turkish, 17.45 Italian, 18.30 Spanish, 19.15 Greek.
**ANN:** "Hier ist der Bayerische Rundfunk". E: "This is der Bayerische Rundfunk" — **V.** by QSL-card or letter.
**INT-SIG:**



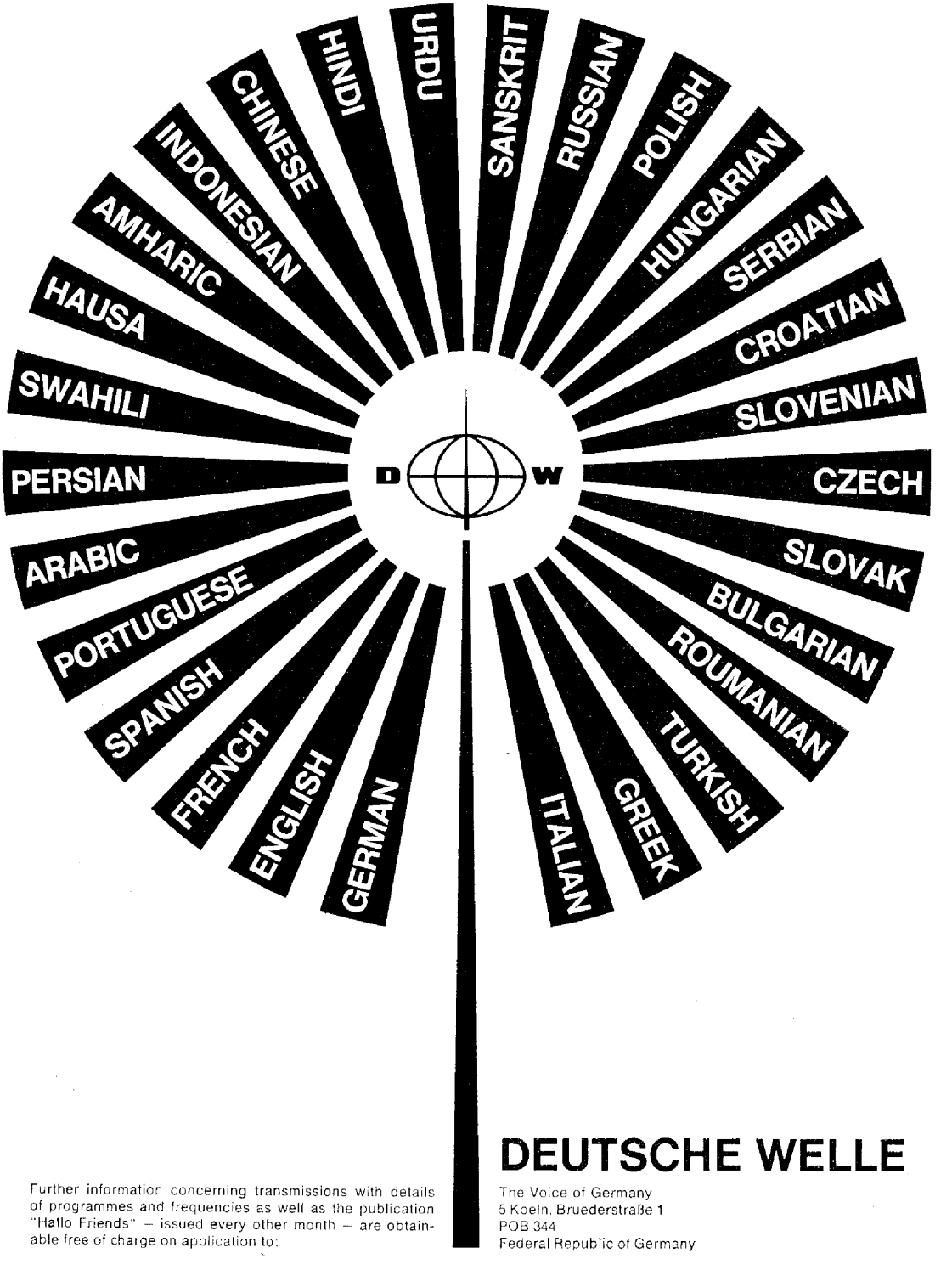
**PUB:** "Pressedienst" (weekly) — **AD:** Mon-Fri 05.25-06.00, 08.20-09.00, 12.45-13.30; Sat 05.25-06.00, 06.45-07.00.

**RADIO BREMEN (Anstalt des öffentlichen Rechts)**

**ADDR:** Heinr. Hertz Str. 13, Bremen. **Te:** 230041. **Cable:** Radio — **L.P:** Intendant: H. Kerneck. Dir. Prgr: H. Abich. Dir. Tec: H. Heyer, Dir. Adm: H. Oliver.
**HOME SCE: First Prgr:** 05.00 (Sun 06.00)-23.10.
Bremen 1358kHz 221m 20kW — Bremerhaven 1079kHz 278m 5kW. 6190kHz 48.47m 10kW (G.C: 08.53E/53.07N): D 07.00-23.05.
**FM:** Bremen I ch23 93.8MHz 100kW — Bremerhaven I ch8 89.5MHz 5kW.
**N, Wrp, Comm:** W 05.05, 05.30, 06.00, 06.30, 07.00, 12.00, 15.00 (Sat only), 15.30, 17.00 (exc. Sat), 18.30, 21.00, 23.00. Sun 07.00, 12.00, 18.30, 21.00, 23.00.
**Second Prgr:** Mon-Thurs 16.30-22.05. Fri 15.30-22.10, Sat 15.05-23.10, Sun 09.00-22.00 (exc. 12.00-15.00).
Bremen II ch4 88.3MHz 100kW — Bremerhaven ch17 92.1MHz 5kW.
**N:** W 18.00, 20.00, 22.00 (exc. Sat); Sun 09.00, 22.00 — **L.L: English:** Tues 14.15, Wed 08.45, 14.00, Thurs 08.30, 14.00*, Fri 08.30* — **French:** Thurs 14.00*, Fri 08.30*.
*=fortnightly.
**ANN:** "Hier ist R. Bremen mit dem ersten bzw. zweiten Prgr".
**INT-SIG:** Mass in H minor by Bach



**V.** by QSL-card. Rp. Rc. in E, F, or G — **PUB:** Prgr. sched. free on request to Pressetelle, Radio Bremen.




# DEUTSCHE WELLE

Further information concerning transmissions with details of programmes and frequencies as well as the publication "Hallo Friends" – issued every other month – are obtainable free of charge on application to:

The Voice of Germany
5 Koeln, Bruederstraße 1
POB 344
Federal Republic of Germany

# Germany

**AD:** 1st Prgr: Mon-Fri 06.05-06.30, 06.35-07.00, 11.00-11.53, 12.25-13.25; Sat: 06.05-06.30, 06.35-07.00, 12.10-13.15.
2nd Prgr: Mon-Fri 05.10-06.00, 07.05-09.00 (Mon 08.00); Sat: 05.10-06.00, 06.05-07.00, 07.05-00.00.

## HESSISCHER RUNDFUNK (Anstalt des öffentlichen Rechts)

I=Prgr; II=Prgr; III=Prgr.
**ADDR:** 6000 Frankfurt (Main) 1, Postfach 3294, Bertramstr. 8. **Cable:** Hessfunk. **Te:** 59051. **Telex:** 0411127 — **L.P:** Intendant: W. Hess. Dir. Adm: Dipl. Kfm: H. Weber. Chief Legal Adviser: W. Lehr. Publicity: R. Weigand. Press: G. Zimmermann. Dir. Prgr (Radio): Dr. H. Wicht. Dir. Prgr (TV): H. Otto Grünefeldt. Dir. Tec: Dr.-Ing. F. Miseré. Politic and N: Chief Editor O. Herr. Culture: Dr. A. Frisé. Educ: Dr. G. Kadelbach. Music: Dr. H. W. Kulenkampff. Entertainment: W. Jaspert. Dir. N: F. F. Sakenheim.
**STATIONS: Prgr. I** * Stereo.
Frankfurt 593kHz 505.8m 150kWd — Meissner 593kHz 505.8m 20kWd.

| **FM:** | **ch** | **MHz** | **kW** | **Prgr. II:** | **ch** | **MHz** | **kW** |
|---|---|---|---|---|---|---|---|
| Würzberg | 4 | 88.1 | 0.25 | Feldberg* | 32 | 96.7 | 10 |
| Biedenkopf | 13 | 91.0 | 10 | Würzberg | 35 | 97.4 | 0.25 |
| Rimberg | 14 | 91.25 | 3 | Biedenkopf | 42 | 99.6 | 10 |
| Hardberg | 12 | 90.6 | 3 | **Prgr. III:** | | | |
| Feldberg | 25 | 94.4 | 10 | Biedenkopf | 2 | 87.6 | 10 |
| Meissner | 40 | 99.0 | 10 | Feldberg | 8 | 89.3 | 10 |
| **Prgr. II:** | | | | Meissner | 8 | 89.5 | 10 |
| Rimberg* | 27 | 95.0 | 3 | Hardberg | 19 | 92.65 | 0.25 |
| Hardberg* | 28 | 95.3 | 3 | Rimberg | 36 | 97.7 | 3 |
| Meissner* | 28 | 95.5 | 10 | | | | |

**HOME SCE:** Two prgr's day and night. The night prgr. at 23.10-05.00 only 593kHz (Frankfurt or Meissner).
**N:** Every h on the h — **Wrp:** after N — **L.L:** French: Thurs, Sat. 16.00 III; English: Fri, Sun, 16.00 III; Sat 07.35 II; Spanish: Sat 07.05 II.
**AD:** Mon-Fri 04.20 (II)=07.15(I), 11.15(II), 12.15(I); Sat 05.10 (II), 07.15(I), 08.05(II), 10.15(I), 11.15(II), 12.15(I).
**Third Prgr:** D. 16.00-21.50 for Italian, Turkish, Spanish and Greek workers in the Fed. Rep. of Germany.
**ANN:** "Hier ist der Hessische Rundfunk" or "Hier ist Frankfurt" — **INT-SIG:** Electronic music — **V.** by QSL-card — **PUB:** Prgr. schedule, press releases (half yearly, yearly and weekly).

## NORDEUTSCHER RUNDFUNK
**(Anstalt des öffentlichen Rechts)**

**ADDR:** Hamburg 13, Rothenbaumchaussee 132/34. **Cable:** Nord Funk. **Te:** 441931. Funkhaus Hannover: Rudolf-von-Bennigsen-Ufer 22; Landesstudio Kiel: Wall 74. Studios: Flensburg: Friedrich-Ebert-Str. 1 — Oldenburg: Oldenburg i.O. Jägerstr. 30 — Berlin: Berlin-Grunewald, Hubertusallee 26. Bonner Vertretung, Bonn, Dahlmannstr. 14.
**L.P:** Intendant: G. Schröder. Deputy: L. Frhr. v. Hammerstein. Dir. Prgr. (Radio): F. Reinholz. Dir. Prgr (TV): D. Schwarzkopf. Financial Dir: G. Schulz. Dir. Tec: Dr. H. Rindfleisch. Justitiar: J. Frels. Dir. Funkhaus Hannover: Dr. E. G. Mahrenholz. Informations und Auslandsdienst: M. Jenke.

### HOME SERVICE

**FIRST PRGR:** D 03.55 (Sun 04.58)-00.15 (Sat 01.15).
**Night Prgr** on 971kHz (Hamburg), 1570kHz (Osnabrück), 701kHz (Flensburg), 520kHz (Braunschweig) and FM: 89.9/91.2/92.4MHz: Sun-Fri 00.15-03.30. Sat 01.15-04.30. **N:** 01.00, 02.00, 03.00.

| | **kHz** | **m** | **kW** | | **kHz** | **m** | **kW** |
|---|---|---|---|---|---|---|---|
| Braunschweig | 520 | 577 | 2 | Flensburg | 701 | 428 | 5 |
| Aurich | 701 | 428 | 2 | Hannover | 971 | 309 | 40 |
| Lingen | 701 | 428 | 2 | Oldenburg | 971 | 309 | 40 |
| Göttingen | 971 | 309 | 5 | Kiel | 1570 | 191 | 5 |
| Hamburg | 971 | 309 | 300 | Osnabrück | 1570 | 191 | 5 |

**FM Stations** (relay m.w. prgr. exc. night prgr.):

| | **ch** | **MHz** | **kW** | | **ch** | **MHz** | **kW** |
|---|---|---|---|---|---|---|---|
| Göttingen | 5 | 88.5 | 1.2 | Oldenburg | 14 | 91.1 | 70 |
| Bungsburg | 10 | 89.9 | 4.5 | Dannenb. | 14 | 91.2 | 15 |
| Harz | 10 | 89.9 | 100 | Kiel | 14 | 91.3 | 3 |
| Aurich | 10 | 90.05 | 25 | Osnabrück | 18 | 92.4 | 2 |
| Hamburg | 11 | 90.3 | 80 | Lingen | 19 | 92.8 | 15 |
| Heide | 12 | 90.5 | 15 | Lübeck | 20 | 93.1 | 0.06 |
| Hannover | 13 | 90.9 | 3 | Flensburg | 21 | 93.2 | 15 |

**N.Wrp:** 05.00 (W), 06.00, 07.00, 07.45 (Sun), 07.55 (Sun 08.00), 11.00 (W), 12.00, 15.00, 16.00 (Mon-Fri), 18.00, 20.30, 23.00 — **Rlg:** Sun 09.00, W 05.55.
**SECOND PRGR:** 05.00 (Sun 07.00)-23.05.

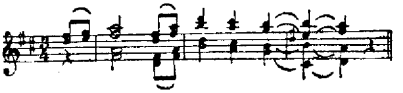
| | **ch** | **MHz** | **kW** | | **ch** | **MHz** | **kW** |
|---|---|---|---|---|---|---|---|
| Flensburg | 9 | 89.6 | 15 | Dannenberg | 31 | 96.4 | 15 |
| Lingen | 11 | 90.2 | 15 | Bungsberg | 36 | 97.8 | 4.5 |
| Göttingen | 24 | 94.1 | 1.2 | Harz | 37 | 98.0 | 100 |
| Oldenburg | 25 | 94.4 | 70 | Hannover | 39 | 98.7 | 3 |
| Kiel | 25 | 94.5 | 3 | Osnabrück | 39 | 98.8 | 2 |
| Lübeck | 29 | 95.7 | 0.06 | Hamburg | 41 | 99.2 | 80 |
| Aurich | 29 | 95.8 | 25 | Heide | 41 | 99.4 | 15 |

**N:** Mon-Fri 05.30-18.30 hourly, 20.00; Sat 06.30-11.30 hourly, 14.30, 17.30, 20.00; Sun 07.30, 14.30, 17.30, 20.00.

**THIRD PRGR:** Mon-Fri 09.30-11.00; D 15.00-approx. 22.00.

| | **ch** | **MHz** | **kW** | | **ch** | **MHz** | **kW** |
|---|---|---|---|---|---|---|---|
| Hamburg | 2 | 87.6 | 80 | Bungsberg | 16 | 91.9 | 4.5 |
| Osnabrück | 7 | 89.2 | 2 | Harz | 17 | 92.1 | 100 |
| Lübeck | 13 | 90.9 | 0.06 | Dannenburg | 21 | 93.3 | 1.2 |
| Flensburg | 30 | 96.05 | 3 | Lingen | 36 | 97.8 | 1.25 |
| Göttingen | 30 | 96.1 | 1 | Aurich | 37 | 98.15 | 25 |
| Heide | 31 | 96.3 | 15 | Kiel | 38 | 98.3 | 3 |
| Hannover | 30 | 95.9 | 3 | Oldenburg | 43 | 99.8 | 70 |

**Prgr. for Foreign workers:**
Braunschweig ch2 87.7MHz 0.5kW, Hannover ch19 92.65MHz 0.3kW, Hamburg ch33 97.05MHz 0.35kW.
**ANN:** ist Prgr: "Hier ist das Erste Programm des Norddeutschen Rundfunks" — 2nd Prgr: "Hier ist das Zweite Programm des Norddeutschen Rundfunks" — 3rd Prgr: "Hier ist das Dritte Programm des Norddeutschen Rundfunks und des Senders Freies Berlin".
**INT-SIG: 1st Prgr:** Motif from the first movement of Johs. Brahms' Symphony no. 2.



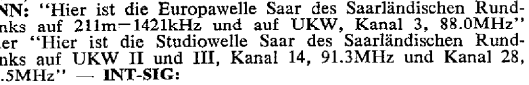
**2nd Prgr:** "Einen zerlegten Nonen-Akkord" — **3rd Prgr:** The tones "B-A-C-H" in Regerharmonization — **V.** by QSL-card — **PUB:** "NDR-Information" (weekly), "NDR-Vorshau" (weekly). Prgr. sched. (weekly).

## EUROPE NO. 1 (Comm.)

**ADDR:** Europäische Rundfunk und Fernseh AG, Europa Nr. 1, 6600 Saarbrücken, P.O. Box 301. **Te:** 2.41.62 — **L.P:** Mgr: F. Billmann. **For Programmes:** Télécompagnie 26 bis, Rue Francois Ier. Paris 8e. **Cable:** Euradio. **Te:** Alma 9000. **L.P:** Pres: S. Floirat. Gen. Mgr: M. Siegel — **For Advertisements:** Regie No. 1, 28, Rue Francois 1er, Paris 8e. **L.P:** Gen. Mgr: J. Frydman.
**STATION (System CFTH):** Felsberg 180kHz 1667m 400/1000kW.
**HOME SCE in French:** 05.00 (Sun 05.30)-24.00 — **N:** W: Every half h until 18.00 (exc. 12.00, 12.30) and 12.15, 19.15, 20.00, 20.30, 21.00, 21.30, 21.40, 22.00, 22.30, 23.00, 23.30, 24.00. Sun: 05.30, 06.00, 07.00, 08.00, 08.13, 08.45 and every half h exc. 12.30, 18.30 and 19.30.
**ANN:** F: "Ici Europe No. 1" — **V.** by QSL-card. Re. to Europe No. 1, 663 Saarlouis, P.O. Box 209, Germany.

## SAARLANDISCHER RUNDFUNK

(Gemeinmützige Anstalt des öffentlichen Rechts)
**ADDR:** 66 Saarbrücken. Postfach 1050. **Te:** 6021. **Cable:** Radio Saarbrücken. **Telex:** 4428977 — **L.P:** Intendant: Dr. Fr. Mai. Chefredakteur u. stellv. Intendant: W. Diederich. Prgr. Dir: Dr. W. Zilius. Tech. Dir: Chief Eng: E. Böhnke. Verwaltungs Dir: Dipl. Volkswirt H. Fünfgeld.
**STATIONS:** Heusweiler 1421kHz 2112m 400kW. **FM:** Göttelborner Höhe: I ch3 88.0MHz 100kW — II ch14 91.3MHz 100kW — III ch28 95.5MHz 100kW.
**HOME SCE. in German:**
**Europawelle Saar:** D. 04.00-24.00 (00.00-04.00 ARD Night Prgr) **N, Wrp:** On the h exc 20.00.
**Studiowelle Saar** (FM II+III): Mon-Fri 11.00-22.10, Sat 10.00-22.10, Sun 07.15-22.10. **N:** W 11.30, 16.30, 21.30. Sun 12.00, 18.50, 21.30.
**ANN:** "Hier ist die Europawelle Saar des Saarländischen Rundfunks auf 211m=1421kHz und auf UKW, Kanal 3, 88.0MHz" oder "Hier ist die Studiowelle Saar des Saarländischen Rundfunks auf UKW II und III, Kanal 14, 91.3MHz und Kanal 28, 95.5MHz" — **INT-SIG:**



**V.** by QSL-card — **PUB:** Prgr. schedule, quarterly schedules, winter prgr's (yearly).
**AD:** Europawelle Saar: 05.00-08.00, 09.00-11.30, 12.00-14.00, 16.00-17.45, 18.20-19.00, 22.00-23.00.

## SENDER FREIES BERLIN (Anstalt des öffentlichen Rechts)

**AD:** W 05.30-06.40, 10.00-11.15, from 16.30 — **ADDR:** Masuren Allee 8-14, 1 Berlin 19. **Cable:** Sender Freies Berlin. **Te:** 30331.
**L.P:** Vorsitzender d. Rundfunkrates: Dr. F. Suchan. Intendant: W. Steigner. Dir. Prgr: E. Schütz. Dir. Tec: U. Blässer. Dir. Adm: H. Koch.
**STATIONS: 1st Prgr:** 566kHz 100/20kW* — **FM:** 88.75MHz 10kW.
**2nd and 3rd Prgr:** 1484kHz 5kW — **FM:** 92.4MHz, 96.3MHz (both 10kW).
*) 00.00 until sunset 100kW (omnidirectional antenna), from sunset until 24.00 20kW (screened in direction of Ireland).

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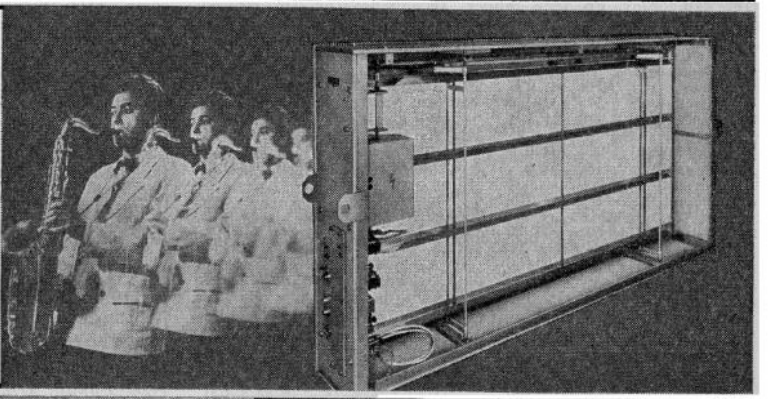

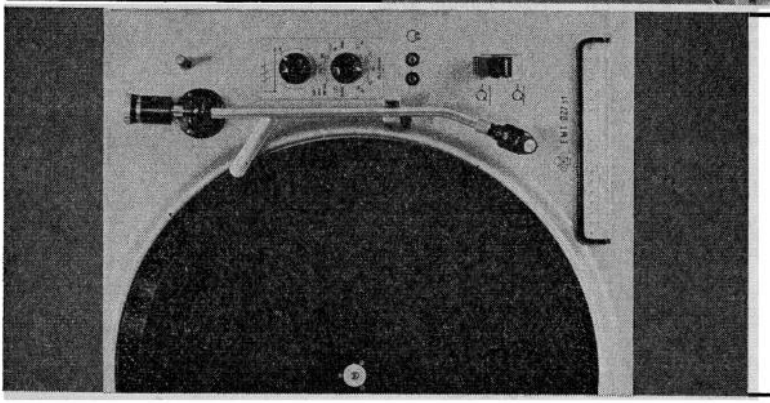

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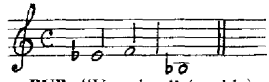
P.O. Box 244, 5430 Wettingen (AG), Switzerland

**HOME SCE: 1st Prgr:** 03.58 (Sun 04.58)-03.30 (Sat 04.30) also on 1484kHz/92.4/96.3MHz if not used for 2nd and 3rd prgr). **N, Wrp:** 04.00(W), 05.00(W), 06.00, 07.00(W), 08.00(Sun), 09.00(W), 10.00(W), 12.00, 14.00(W), 15.00(Sat), 16.00(W, not Sat), 18.00, 21.00, 23.00 — **Business:** 13.55, 15.45 (Mon-Fri) — **Actualities:** 17.30 (Mon-Fri) — **Comm:** 21.10 (Mon-Fri) — **Weekly prgr. preview:** 07.45(Sun) — **"Unser Kurzwellenbummel"** (prgr. for sw friends compiled and produced by W. Uthoff): every 4th Sat. 22.45-23.00 and every 4th Sun. (repeat) 06.45-07.00.
**2nd Prgr:** Mon-Fri 15.15-19.00, Sat/Sun 09.10(Sun 09.00)-12.00, 15.00-19.00.
**3rd Prgr:** D. 19.00-22.30 (approx) (Prgr. in cooperation with NDR Hamburg) **N:** 19.00.
**For Foreign Workers:** D. 17.00-20.00 on 98.2MHz (Turkish 17.00, Italian 17.45, Spanish 18.30, Greek 19.15).
**ANN:** "Hier is SFBI", "Hier ist SFB2", "Hier ist das Dritte Programm des Norddeutschen Rundfunks und des Senders Freies Berlin" — **V.** by QSL-card.
**INT-SIG:** Cembalo:



**V.** by QSL-card — **PUB:** "Vorschau" (weekly).
**AD:** W 05.30-06.00, 06.15-07.00, 10.45-11.30, 14.05-14.30.

## SUDDEUTSCHER RUNDFUNK

**(Anstalt des öffentlichen Rechts)**
**ADDR:** 7000 Stuttgart-1 P.O. Box 837. **Cable:** Rundfunk, Stuttgart. **Te:** 299701. **Telex:** 0723456.
**Studios:** Heidelberg-Mannheim: Heidelberg: Marstallstr. 6; Karlsruhe: Kriegsstr. 168 — **L.P:** Vorsitzender des Rundfunkrats: Dr. Valentin Gaa, Landrat, Mannheim. Vorsitzender des Verwaltungsrats: Dr. Alex Möller, Generaldir. (MdB), Karlsruhe. Intendant: Dr. Hans Bausch. Programmdir: Dr. Peter Kehm. Verwaltungsdir: Friedrich Müller. Technischer Dir: Dr. Helmut Rupp. Dir. TV: Horst Jaedicke.
**HOME SCE: Mw Prgr** (rel by sw and FM): Sun 04.55-03.30; Mon 03.51-03.30; Tues-Fri: 03.56-03.30; Sat 03.56-04.30. No break in tr's.

| Stations: | kHz | m | kW | Stations: | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Mühlacker | 575 | 522 | 300 | Bad Mergenth. | 1412 | 212 | 2 |
| Heidelberg | 998 | 301 | 10 | Wertheim | 1484 | 202 | 0.2 |
| Buchen | | | | Heidenheim | 1484 | 202 | 0.2 |
| Walldürn | 998 | 301 | 0.2 | Bopfingen | 1484 | 202 | 0.2 |
| Ulm-Jungingen | 1169 | 257 | 5 | Adelsheim | 1484 | 202 | 0.2 |
| Heilbronn-Obereisesh. | 1169 | 257 | 10 | | | | |

**Short Wave:** Mühlacker: 6030kHz 49.75m 20kW.
**G.C:** 08.51E/48.57N: 03.55 (Sun 04.55)-03.30 (Sat/Sun 24.00).

| FM: | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Stuttgart I | 26 | 94.7 | 100 | Aalen I | 27 | 95.1 | 50 |
| Waldenburg I | 39 | 98.8 | 100 | Geislingen I | 28 | 95.5 | 0.5 |
| Heidelberg I | 36 | 97.8 | 100 | Ulm I | 25 | 94.5 | 1 |

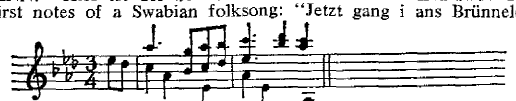
**N:** 04.30, 05.00, 06.00, 07.00, 08.00, 09.00, 10.00, 11.00, 11.30, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 21.00, 23.00.
**FM: 2nd Prgr:** Sun 07.05-23.10; Mon, Tues, Wed, Fri 04.35-23.15. Thurs 03.45-23.15. Sat 04.35-01.00. No break in tr's.

| | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Stuttgart II | 10 | 90.1 | 100 | Heidelberg II | 6 | 88.8 | 100 |
| Waldenburg II | 23 | 93.8 | 100 | Mühlacker | 8 | 89.5 | 4.5 |
| Aalen II | 14 | 91.1 | 50 | B. Mergenth. II | 21 | 93.2 | 0.5 |
| Geislingen II | 20 | 93.0 | 0.5 | Wertheim II | 16 | 91.8 | 0.1 |
| Ulm II | 7 | 89.2 | 1.0 | Buchen | 16 | 91.9 | 0.1 |
| Stuttgart II | 3 | 88.0 | 0.5 | | | | |

**N:** 05.30, 06.30, 07.30, 12.00, 13.00, 16.30, 17.30, 18.30, 21.30, 23.00.
**FM (3rd Prgr): For Foreign Workers and Stereo:**

| | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Stuttgart III | 17 | 92.2 | 100 | Heidelberg III | 43 | 99.9 | 100 |
| Waldenburg III | 32 | 96.5 | 100 | Ulm III | 35 | 97.4 | 1 |
| Aalen III | 37 | 98.1 | 50 | | | | |

17.00 Turkish, 17.45 Italian, 18.30 Spanish, 19.15 Greek.
**ANN:** "Hier ist der Süddeutsche Rundfunk" — **INT-SIG:** The first notes of a Swabian folksong: "Jetzt gang i ans Brünnele"



**V.** by QSL-card.

## SUDWESTFUNK (Anstalt des öffentlichen Rechts)

**ADDR:** 7570 Baden-Baden, Hans-Bredow-Str. **Cable:** Südwestfunk. **Te:** 2767 — **Studios:** 7800 **Freiburg i Br:** Günterstal, Schauinsland Str. 136; 6500 **Mainz:** Deutschhausplatz 8; 7400 **Tübingen:** Matthias-Koch-Weg 7 — "Zweigstellen": 6750 **Kaiserslautern:** Fliegerstr. 36; 5400 **Koblenz:** Januarius-Zick-Str. 8; 7750 **Konstanz:** Wollmatingerstr. 39; 5500 **Trier:** Christophstr 24.
**L.P:** Vorsitzender des Rundfunkrates: J. Saxler Daun. Vorsitzender des Verwaltungsrates: Dr. J. Knecht, Freiburg i. Br. Intendant: H. Hammerschmidt. Programmdir. u. stellvertretender Intendant: G. Gaus. Tech Dir: Dr. W. Knöpfel. Verwaltungsdir: A. Manke. Justitiar: Dr. E. Wagner. Öffentlichkeitsarbeit: H. Scharfenberg. Leiter Studio Freiburg: E. Brugger. Dir. Studio Mainz: T. W. Zwermann. Leiter Studio Tübingen: A. G. Richter. Head of Prgr. Exchange: H. Schliewen.
**HOME SCE: 1st Prgr:** Sun 05.50-24.00, W 03.55-23.10 (Fri 24.00, Sat 01.00) — **"Musik bis zum frühen Morgen"** on 1016kHz only (Rheinsender): Sun 00.00-03.50; Tues, Thurs 23.10-03.50; Sat 01.00-05.00.

| M.Waves: | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Bodensee-sender | 665 | 451 | 300 | Koblenz | 827 | 363 | 0.5 |
| Baden-Baden | 827 | 363 | 1.5 | Trier | 827 | 363 | 3 |
| Freiburg | 827 | 363 | 40 | Rheinsender | 1016 | 295 | 300 |
| Kaiserslautern | 827 | 363 | 3 | | | | |

**Short Wave:** Rohdorf (GC: 09.07E/48.01N): 7265kHz 41.29m 1.5kW.
**FM (with stereoprgr's):**

| | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Baden-Baden | 13 | 90.9 | 0.5 | Koblenz | 30 | 96.05 | 10 |
| Blauen | 7 | 89.2 | 8.4 | Linz | 18 | 92.4 | 18 |
| Donnersberg | 40 | 99.1 | 60 | Mainz | 15 | 91.4 | 0.035 |
| Eggberg | 33 | 97.0 | 0.6 | Marienberg | 9 | 89.8 | 25 |
| Eifel | 14 | 91.1 | 8 | Potzberg | 13 | 90.8 | 20 |
| Feldberg i Schw. | 9 | 89.8 | 1 | Raichberg | 4 | 88.3 | 12 |
| | | | | Waldburg | 14 | 91.2 | 18 |
| Haardtkopf | 36 | 97.7 | 25 | Wannenberg | 7 | 89.0 | 1 |
| Hochrheinsend. | 3 | 88.0 | 0.07 | Weinbiet | 30 | 95.9 | 25 |
| Hornisgrinde | 22 | 93.5 | 60 | Witthoh | 18 | 92.4 | 37.5 |

**N,Wrp:** 04.00 (W), 05.30 (W), 06.00 (Sun), 06.30 (W), 07.30 (Sm), 08.30 (W), 11.00 (Sat), 12.00 (Sun), 19.00 (W), 21.30, 23.00.
**"Pressestimmen":** Mon-Fri 11.00 — **Stereo Prgr's:** Sun 09.00-11.00, 20.00-21.00; Mon 16.40-18.15; Tues 20.00-21.00; Wed 19.00-21.00; Thurs 21.30-22.30; Fri 21.30-23.00.
**2nd Prgr:** Sun 05.50-24.00; W 03.55-23.10 (Fri 24.00, Sat 01.00).
**FM (with stereoprgr's):**

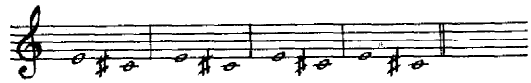
| | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Baden-Baden | 40 | 98.9 | 0.5 | Koblenz | 23 | 94.0 | 10 |
| Blauen | 19 | 92.6 | 8.4 | Linz | 35 | 97.4 | 18 |
| Donnersberg | 17 | 92.0 | 60 | Marienberg | 28 | 95.4 | 25 |
| Eggberg | 38 | 98.5 | 0.6 | Potzberg | 23 | 93.9 | 20 |
| Feldberg i Schw. | 36 | 97.9 | 1 | Raichberg | 16 | 91.8 | 12 |
| Haardtkopf | 20 | 93.0 | 25 | Waldburg | 26 | 94.9 | 18 |
| Hochrheinsend. | 14 | 91.1 | 0.07 | Wannenberg | 19 | 92.8 | 1 |
| Hornisgrinde | 31 | 96.2 | 60 | Witthoh | 11 | 90.4 | 37.5 |

**N, Wrp:** 04.00 (W), 05.00 (W), 06.00, 07.00, 09.00 (W), 12.00, 16.00 (W), 21.00, 23.00 — **"Tribüne der Zeit":** 18.30 — **Stereo Prgr's:** Sun 07.35-09.00, 12.15-14.00, 18.30-21.30, 21.40-23.00; Thurs/Fri 19.10-20.30; Sat 08.00-08.30, 09.00-11.00.
**Prgr. III:** Sun 10.50-20.00; W 06.57-07.30, 16.40-21.00.

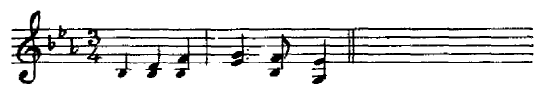
| FM | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Donnersberg | 10 | 89.9 | 30 | Koblenz | 15 | 91.6 | 10 |
| Feldberg i Schw. | 23 | 93.8 | 1 | Raichberg | 24 | 94.3 | 4 |
| Hornisgrinde | 38 | 98.4 | 9 | Waldburg | 39 | 98.7 | 18 |

**L.L: English:** W 07.10-07.30. **For Foreign Workers:** 16.55-21.00: 17.00 Turkish, 17.45 Italian, 18.30 Spanish, 19.15 Greek, 20.00 Music.
**ANN:** "Hier ist der Südwestfunk. Im 1. Programm hören Sie . . .". Im 2. Programm hören Sie . . .".
**INT-SIG:** Baden-Baden: Motif from Mozart's "Zauberflöte": "Bald prangt den Morgen zu verkünden" (Piano).

**Freiburg:** Glockenmotiv des Freiburger Münsters: "Petrus und Maria"



**Mainz:** "Dort wo der Rhein mit seinen Wellen"
**Tübingen:** "Droben im Oberland" (2 horns).



**V.** by QSL-card and letter. Rp.

**WESTDEUTSCHER RUNDFUNK (WDR)**
**(Anstalt des öffentlichen Rechts)**
**ADDR:** Wallrafplatz 5, Köln. **Te:** 20701. **Cable:** WDR.
**Studios:** 53 Bonn, Dahlmannstrasse 14; 4 Düsseldorf, Palmenstrasse 16; 46 Dortmund, Westenhellweg 86-88; 44 Münster, Ludgeriplatz; 48 Bielefeld, Lessingstrasse 3; 43 Essen, Lindenallee 56.
**L.P:** Intendant: Klaus von Bismarck. Dir. Tec: W. Werner.
**HOME SCE: First Prgr:** W: 04.55-09.30, 10.45-00.10; Sun 05.55-00.10. **Night Prgr.** (on 1586kHz 88.8MHz and 90.6MHz only): 00.10-04.50 (Sat 05.50).
**Medium Waves:**

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Aachen/Stolb | 701 | 428 | 5 | Kleve | 971 | 309 | 3 |
| Herford | 701 | 428 | 2 | Münster | 1502 | 199.7 | 0.8 |
| Siegen | 701 | 428 | 2 | Langenberg | 1586 | 189 | 400 |
| Bonn | 971 | 309 | 5 | | | | |

**FM. Common WDR and NDR mw prgr.**

| | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Aachen-Stolb | 3 | 88.0 | 5 | Münster | 17 | 92.0 | 6 |
| Bonn | 4 | 88.3 | 0.5 | Nordhelle | 11 | 90.3 | 15 |
| Kleve | 42 | 99.7 | 0.25 | Siegen | 34 | 97.1 | 0.5 |
| Köln | 3 | 87.8 | 0.5 | Wittgenstein | 6 | 88.7 | 15 |
| Langenberg | 6 | 88.8 | 100 | Teutob. Wald | 12 | 90.6 | 100 |
| Monschau | 2 | 87.7 | 0.04 | | | | |

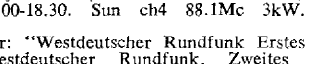
**N, Wrp:** W 05.00, 06.00, 07.00, 07.55, 11.00, 12.00, 15.00, 16.00 (W) no Wrp, 18.00, 20.30, 23.00; Sun: 06.00, 07.00, 07.45 (Church N), 08.00, 12.00, 15.00, 18.00, 20.30, 23.00. In addition during "Music bis zum frühen Morgen" (5 mins. each) 01.00, 02.00, 03.00, 04.00 during night of Fri to Sat — **Comm:** Mon-Fri 12.10, 18.10, 20.45 — **Wrp:** Repeats of short version within music prgr's at 05.30, 06.30, 07.30.
**Second Prgr:** 04.55-23.00 (Sat 24.00), Sun 05.55-23.00

| | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Aachen-Stolb | 23 | 93.9 | 5 | Monschau | 24 | 94.2 | 0.04 |
| Bonn | 19 | 92.8 | 0.5 | Münster | 24 | 94.1 | 18 |
| Eifel | 22 | 93.6 | 6 | Nordhelle | 22 | 93.5 | 15 |
| Kleve | 21 | 93.3 | 0.25 | Siegen | 19 | 92.6 | 0.5 |
| Köln | 16 | 91.8 | 0.5 | Teutob. Wald | 21 | 93.2 | 100 |
| Langenberg | 27 | 95.1 | 100 | Wittgenstein | 18 | 92.3 | 15 |

**N, Wrp:** W 05.30, 06.30, 07.30, 11.30, 14.30, 17.00 (no Wrp), 18.45, 21.30, 22.30; Sun 07.30, 11.45, 18.45, 21.30.
**3rd Prgr:** 09.20-10.30 (W), 15.50-21.30 approx. (exc. Sat), 13.55-21.30 approx. (Sat).

| | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Langenberg | 41 | 99.2 | 100 | Kleve | 34 | 97.3 | 0.2 |
| Münster | 9 | 89.7 | 6 | Köln | 29 | 95.7 | 0.3 |
| Nordhelle | 37 | 98.1 | 15 | Monschau | 37 | 98.2 | 0.04 |
| Teutob. Wald | 33 | 97.0 | 100 | Siegen | 34 | 97.1 | 0.5 |
| Bonn | 12 | 90.7 | 0.5 | Wittgenstein | 29 | 95.8 | 15 |
| Aachen-Stolberg | 30 | 95.9 | 5 | | | | |

**N:** D 18.45.
**Prgr. for Foreign Workers:** D 16.55-20.00 Aachen-Stolberg ch 30 95.5MHz 5kW, ch52 102.5MHz 0.5kW. Langenberg ch 45 100.4MHz 50kW — Teutoburger Wald ch33 97.0MHz 100kW (17.45-18.30 only Sun-Fri). Stereo-Transmission (in 3rd Prgr. only): Sat 17.00-18.30. Sun ch4 88.1Mc 3kW. 19.00-21.30 (approx).
**ANN:** MW-Prgr: "Westdeutscher Rundfunk Erstes Programm" FM-Prgr: "Westdeutscher Rundfunk, Zweites Programm", "Westdeutscher Rundfunk, Drittes Programm".
**INT-SIG:** M.W. Prgr: Motif from "In allen guten Stunden" (L. van Beethoven). Electronic instrument.

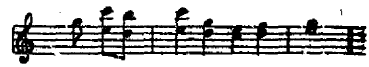


**V.** by QSL-card or letter. Re. to Technische Direktion.

**RIAS-BERLIN (Berlin West)**
**ADDR:** 1 Berlin 62, Kufsteiner Str. 69. **Cable:** Rias-Berlin. **Te:** 21301 — **L.P:** Dir: R. H. Lochner. Pol. Dir: R. Müllerburg. Dir. Prgr: H. Kundler. Dir. Tec: A. Pösniker. Dir. Adm: P. Naegele. Dir. Listeners Rel. and Press: H. Kirstaedter.
**STATIONS:** 1) RIAS I, 2) RIAS II.

| | kHz | m | kW | h. of tr. |
|---|---|---|---|---|
| Berlin-Britz[2] | 683 | 439 | 100 | 07.41a-15.40 |
| Hof[1] | 683 | 439 | 40d | 03.25b-07.40c<br>15.41 -00.35 |
| Hof[1] | 737 | 407 | 40 | 07.41a-15.40 |
| Berlin-Britz[2] | 854 | 351 | 100d | 03.25b-07.40c<br>15.41 -23.40d |
| Berlin-Britz[1] | 989 | 303 | 300 | 03.25b-23.40d |
| Berlin-Britz[1] | | | 200 | 23.40d-01.35 |
| | | | 100 | 01.35 -03.15e |
| | 6005 | 49.96 | 20 | 17.30 -03.15e |
| München[1] | 6005 | 49.96 | 100 | 03.25b-17.30 |

a) Sat, Sun 07.36 — b) Sun 04.00 — c) Sat, Sun 07.35 — d) Sat, Sun 23.35 — e) Sun 03.50.
**G.C:** Berlin 13.26 E/52.27 N — Hof 11.54 E/50.19 N — München 11.45 E/48.15 N.
**FM:** Berlin-Britz[1] 89.6MHz 30kW — [2]94.3MHz 50kW — Hof 91.2MHz 20kW.
**D.PRGR:** 24 h — Prgr. separation into RIAS I and RIAS II: Sun 07.00-23.30, Mon-Fri 09.00-09.48, 14.00-14.45, 16.00-23.30, Sat 11.50-23.30. All other times common prgr. (RIAS 1+RIAS II).
**N, Wrp:** 00.30, 01.30, 02.30, 03.30, 04.30, 05.30, 06.30, 07.30, 08.30, 09.30 (RIAS I Mon-Fri), 10.30 (W), 11.30, 12.30 (W,) 13.30, 14.30 (RIAS I Mon-Fri), 15.30, 16.30 (W RIAS I), 17.30, 18.30, 20.30 (RIAS I), 20.30 (RIAS II Sat), 21.30 (Mon-Fri), 21.30 (Sun RIAS II), 22.30 (RIAS I), 22.30 (RIAS II Sat), 23.30 — **Actualities:** 03.25-07.30 (W), 11.50-14.00 (Mon-Fri), RIAS I: 11.50-14.00 (Sat), 14.05 (Sun), 15.41-17.30 (Sat), 16.00-18.30 (Mon-Fri), 17.35 (Sun), 20.30-21.30 (Mon-Fri) — **Comm:** RIAS II (Mon-Fri): 17.15-17.45, 18.40-19.00, 21.00-22.00.
**Press Review:** 05.15 and 06.45 (Tues-Sat), 11.40 (Mon-Sat), 20.00 (Tues RIAS I).
**ANN:** "Hier ist RIAS-Berlin" — **INT-SIG:** From a Trio Sonata



**V.** by QSL-card — **PUB:** Press service weekly RIAS education broadcast press service every six weeks — **FI:** By United States Information Agency.

## ALLIED STATIONS

**AMERICAN FORCES NETWORK (United States Army)**
**ADDR:** Headquarters, AFN Europe, 6000 Frankfurt/Main, Bertramstrasse 6 or APO New York, NY 09757, N.Y. U.S.A. **Te:** Frankfurt Mil 7901 — **L.P:** Commanding Officer: LTC H. L. Cody. Prgr. Dir: R. J. Harlan. Techn. Supervisor: F. C. Mortensen.

| **STATIONS:** | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Nürnberg* | 611 | 491 | 10 | Würzburg | 1142 | 263 | 0.25 |
| Grafenwöhr | 611 | 491 | 10 | Bamberg | 1304 | 260 | 0.25 |
| Kaiserslaut* | 611 | 491 | 10 | Berchtesgaden | 1304 | 230 | 0.25 |
| Frankfurt* | 872 | 344 | 150 | Heidelberg | 1304 | 230 | 1 |
| Berlin* | 935 | **321** | **10** | Regensburg | 1304 | 230 | 0.25 |
| Ansbach | 1034 | 290 | 0.25 | Fulda | 1304 | 230 | 0.25 |
| Bad Kissingen | 1034 | 290 | 0.25 | Wertheim | 1304 | 230 | 0.25 |
| Karlsruhe | 1034 | 290 | 1 | Augsburg | 1394 | 215 | 1 |
| Munich* | 1106 | 271 | 100 | Bitburg | 1394 | 215 | 0.25 |
| Stuttgart* | 1142 | 263 | 10 | Crailsheim | 1394 | 215 | 0.25 |
| Ulm | 1142 | 263 | 1 | Hof | 1394 | 215 | 0.25 |
| Goeppingen | 1142 | 263 | 0.25 | Garmisch | 1502 | 199 | 0.25 |
| Bremerhaven* | 1142 | 263 | 5 | Giessen | 1502 | 199 | 0.25 |
| Hersfield | 1142 | 263 | 0.25 | Rothwesten | 1502 | 199 | 0.25 |
| Schweinfurt | 1142 | 263 | 0.25 | Wildflecken | 1502 | 199 | 0.25 |

**FM:** Berlin 87.85MHz 1.5kW. Frankfurt 98.7MHz 55kW, Stuttgart 102.4MHz 10kW, Augsburg 101.0MHz 15kW, Illesheim 101.0MHz 0.375kW, Pirmasens 101.7MHz 0.375kW, Maastricht, Holland, 93.4MHz 75W, Brunssum, Holland 89.15MHz 75W, Soesterberg, Holland 93.1MHz, 20W. *Studio Installations.
**D.Prgr:** 05.00 (Sun 06.00)-00.05 (Berlin: 24 h) — **N:** Every h on the h (5 min)+major newscasts (30 min) at 06.00, 17.00, 21.00 — **Hymns from Home:** Mon-Fri 18.45 — **Request Shows:** 05.05, 06.30, 10.30, 11.15, 15.05, 16.05 — **Local N:** 17.25 — **Rel:** Sun 09.30 (Catholic), 10.05 (Protestant).
**ANN:** "This is AFN, The American Forces Network, Europe" announced at least every half h — **INT-SIG:** Every h on the h. AFN announces the time and the sixth and final pip is exactly on the h as announced — **V.** by QSL-card. Recordings not desired and will not be returned — **PUB:** Prgr. sched. (weekly) not available to individuals. The American Forces Network operates solely to provide American Forces in Europe with information, education and entertainment.

**BRITISH FORCES BROADC. SCE. COLOGNE**
is operated by Ministry of Defence to provide a sce. of inf, entertainment as well as a link with home for H.M. Forces in Germany. It is non-comm, does not accept adv — **ADDR:** BFBS Cologne, 5 Köln-Marienburg, Parkstr. 61. **Te:** 381757 Cologne Civil — **L.P:** St. Contr: P. Thurstan Holland. Tec. Dir: J. W. Bull. SPO: J. V. Russell.

| **FM-st's:** | MHz | kW | | MHz | kW | | MHz | kW |
|---|---|---|---|---|---|---|---|---|
| Langenberg | 96.5 | 50 | Bonn | 99.8 | 2 | Drachen- | | |
| Nordhelle | 96.5 | 15 | Herford | 95.4 | 6 | berg | 93.0 | 80 |
| Verden | 97.6 | 50 | Berlin | 98.75 | 1 | | | |

**English:** 05.30 (Sun 07.00)-22.30 (Sat 24.00).
**N. (From BBC):** 07.00, 08.00, 12.00, 17.00 (Sat/Sun only), 21.00. N. summaries on the half h hourly — **ANN:** "This is the British Forces Broadc. Sce. Germany" or "You are tuned to FBS in Germany" — **V.** by letter Rp — **PUB:** BFBS bulletin weekly.

**RADIO CAE (Canadian Army Europe)**
**ADDR:** CFPO 5050, 476 Werl — **L.P:** St. Mgr: B. Mcmillan. Dir. Tec: Sgt. R. Suchorab — **STATION:** 87.8MHz 0.25kW.

**D.PRGR'S in English and French:** Mon-Fri 05.30-23.00; Sat 09.00-24.00; Sun 09.00-23.00. N. (relay CBC): 06.30, 12.00, 14.00, 16.00, 18.00, 21.30 — **L.L.** (German Course): Mon-Fri 09.50 — **ANN:** "Broadc. from Fort Victoria, on a freq. of 87.8MHz, this is R. Canadian Army Europe" — **V.** by letter & QSL-card.

### RADIO FORCES FRANCAISES DE BERLIN (FFB)

Relay st. for entertainment of French Forces in Berlin.
**ADDR:** Kurt-Schumacher-Damm, Quarter Napoléon, Berlin-Reinickendorf — **FM:** 93.6Mc 3kW: Continuously exc, from 08.00-09.00 (Mon) and Thurs 23.00-Fri 06.00 — **Rel:** RTF Programmes. **N:** 07.00-12.00.

### RADIO FREE EUROPE (Private, non-comm.)

**ADDR:** R. Free Europe, Division of Free Europe, Inc, 2 Park Avenue, New York 16, N.Y, U.S.A. **Cable:** Natfecom, N.Y. **Te:** LExington 2-8900 — R. Free Europe Hqs, 1 Englischer Garten, München 22, Germany. **Cable:** Raduropa. **Te:** 229921 — Raret (Portugal relay base), Sociedade Anonima de R. Retransmissão, Av. Padre Manuel da Nobrega 8-B, Lisbon. **Cable:** Raretsa. **Te:** 721131. **L.P:** Free Europe, Inc. (New York): Pres: John Richardson, Jr.
RFE Hqs. (Munich): Dir: William P. Durkee. Dir. of Eng. and Sce's: P. W. Esten. New York Office: Dir: Ch. B. Kaufmann. Dir. Eng: W. H. Moffat. Portugal Office: Man. Dir: H. N. Black.
**STATIONS: Medium Wave** (System: Brown Boveri):
Holzkirchen 719kHz 417.2m 150kW.
**Short Wave:** 9 sw-tr's in Biblis, Germany (10/20/50kW), 18 sw-tr's near Lisbon, Portugal (10/25/50/100/250/500kW). (**G.C:** Biblis: 08.30E/49.41N; Holzkirchen: 11.44E/47.52N; Lisbon: 08.40W/39.30N.)

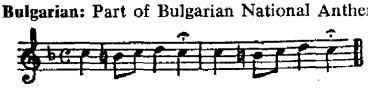
| kHz | m | kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|---|---|
| 3960 | 75.75 | 7115 | 42.16 | 9655 | 31.07 | 11895 | 25.22 | 17735 | 16.92 |
| 3970 | 75.57 | 7145 | 41.99 | 9695 | 30.95 | 11905 | 25.20 | 17770 | 16.88 |
| 3995 | 75.09 | 7165 | 41.87 | 9705 | 30.91 | 15115 | 19.85 | 17805 | 16.85 |
| 5970 | 50.25 | 7190 | 41.72 | 9715 | 30.88 | 15145 | 19.81 | 17835 | 16.82 |
| 5985 | 50.12 | 7205 | 41.64 | 9725 | 30.85 | 15170 | 19.78 | 17865 | 16.80 |
| 6095 | 49.22 | 7235 | 41.47 | 11705 | 25.63 | 15185 | 19.76 | 21600 | 13.89 |
| 6105 | 49.14 | 7245 | 41.41 | 11725 | 25.59 | 15195 | 19.74 | 21605 | 13.88 |
| 6115 | 49.06 | 7285 | 41.18 | 11805 | 25.41 | 15215 | 19.71 | 21620 | 13.87 |
| 6125 | 48.98 | 9505 | 31.56 | 11815 | 25.39 | 15255 | 19.66 | 21665 | 13.84 |
| 6135 | 48.90 | 9565 | 31.36 | 11825 | 25.37 | 15355 | 19.54 | 21680 | 13.84 |
| 6185 | 48.50 | 9595 | 31.27 | 11855 | 25.31 | 15365 | 19.53 | 21720 | 13.81 |
| 7105 | 42.22 | 9605 | 31.23 | 11885 | 25.31 | 17725 | 16.93 | 21745 | 13.80 |

Most RFE freq's are registered for use both in Germany and in Portugal and the selection of tr. location is a function of propagation conditions throughout the year.

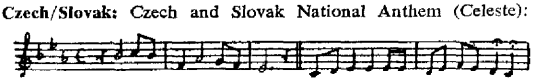
**D.PRGR:**

| **Bulgarian** | **m.b.** | **Hungarian** | **m.b.** |
|---|---|---|---|
| 04.00-06.00 | 41,31,25,19,16 | 06.00-21.00 | 16 |
| 16.00-21.30 | 41,31,25,19,16,13 | 08.00-16.00 | 13 |
| **Czech-Slovak** | | **Polish** | |
| 14.00-17.00 | 417 | 17.00-22.20 | 417 |
| 22.20-23.00 | 417 | 03.55[3]-23.10 | 41,31,25,19 |
| 03.57[1]-23.00 | 49,41,31,25,19 | 06.00-23.10 | 16 |
| 06.00-23.00 | 16 | 07.00-21.00 | 13 |
| 07.00-21.00 | 13 | 19.00-23.10 | 49 |
| **Hungarian** | | **Rumanian** | |
| 03.54[2]-23.05 | 41,31,25,19 | 04.00-08.00 | 41,31,25,19,16 |
| 21.00-23.05 | 49 | 15.00-23.00 | 41,31,25,19,16,13 |

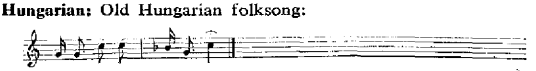
1) Sun 05.57; 2) Sun 05.54; 3) Sun 05.55.
**N.** every h on the h (for all Sce's).
Meter band assignments change throughout the year as propagation conditions vary.
**ANN:** Sign on and sign off: **Bulgarian:** "Took E Radio Svobodna Evropa" ("This is Radio Free Europe").
**Czechoslovak:** "Hlási se vám ceskoslovenská stanice rozhlasu Svobodná Evropa" ("This is the Czechoslovak Station of Radio Free Europe calling").
**Hungarian:** "Itt a Szabad Európa Radió" ("This is Radio Free Europe").
**Polish:** "Mówi rozglosnia Polska Radia Wolna Europa" ("This is the Polish station of Radio Free Europe").
**Rumanian:** "Aici e Radio Europa Libera" ("Here is Radio Free Europe").
**INT-SIG: Bulgarian:** Part of Bulgarian National Anthem (Celeste):



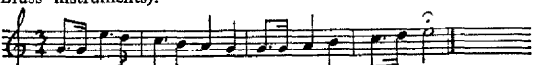
**Czech/Slovak:** Czech and Slovak National Anthem (Celeste):



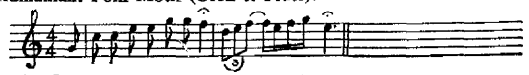
**Hungarian:** Old Hungarian folksong:



**Polish:** Polish patriotic song: "Hail Glorious Dawn of May". (Brass instruments):



**Rumanian:** Folk Motif (Orch & Flute):



**V.** by QSL-card. Recordings accepted.
**FI:** By American contribution through the Radio Free Europe Fund.

### RADIO LIBERTY (Private, non-comm.)

**ADDR:** Arabellastrasse 18, 8 Munich 27. **Cable:** RadLibComm. **Te:** 44631. **L.P:** Exec. Dir. Headquarters, Munich: Walter K. Scott. Pres. Radio Liberty Committee, Inc, New York: Howland H. Sargeant.
**STATIONS:** Lampertheim (Germany): 50/20kW; Playa de Pals (Spain): 500/250/100kW; Pa-Li (Taiwan): 50kW.
**G.C:** Lampertheim: 08.33E/49.30N — Playa de Pals: 03.10E/42.00N — Pa-Li: 121.27E/25.05N.

| kHz | m | kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|---|---|
| 3990 | 75.19 | 7285 | 41.18 | 9750 | 30.77 | 15130 | 19.83 | 17750 | 16.90 |
| 5955 | 50.39 | 7295 | 41.12 | 11725 | 25.59 | 15225 | 19.70 | 17780 | 16.87 |
| 6095 | 49.22 | 9520 | 31.51 | 11770 | 25.49 | 15340 | 19.56 | 17855 | 16.80 |
| 6170 | 48.62 | 9555 | 31.40 | 11870 | 25.27 | 15370 | 19.52 | 17865 | 16.79 |
| 7155 | 41.92 | 9610 | 31.22 | 11935 | 25.14 | 15380 | 19.50 | 17875 | 16.79 |
| 7180 | 41.78 | 9660 | 31.06 | 11970 | 25.06 | 15445 | 19.43 | 17895 | 16.75 |
| 7220 | 41.55 | 9680 | 30.99 | 15125 | 19.83 | 17720 | 16.93 | 17760 | 16.89 |

**D.PRGR:** 00.00-24.00.
Target areas: E. Germany 75, 49, 31, 25 m.b. — Hungary 75, 49, 41 m.b. — No.+So. Russia, Belorussia, Ukraine 49, 41, 31, 25, 19, 16 m.b. — Tatar ASSR, Bashkir ASSR, Caucasus, Soviet Central Asia 49, 41, 31, 25, 19 m.b. — Soviet Far East 16, 19, 25 m.b. — **N:** Every h.
**ANN:** Azerbaijani: "Danyshyr Azadlyk Radiosu" — Armenian: "Chosume 'Azatutiun' Radiokayane" — Belorussian: "Gavaryts Radyio Svoboda" — Georgian: "Laparakobs Radiosadrugi Thavisuphleba" — No. Caucasian: "Govorit Radiostantsia Svoboda" — Russian: "Govorit Radiostantsia Svoboda" — Tatar-Bashkir: "Monda Azatlyk Radiostansyese Suyili" — Turkestani: "Azatlyk Radiosydan Gapiramiz" — Ukranian: "Hovorit Radio Svoboda" — **INT-SIG:** Hymn to Freedom — by Gretchanioff. **V.** by QSL-card.

**R.** Liberty speaks to the people of the U.S.S.R. as a free voice of their fellow countrymen abroad. R. Liberty is supported by the R. Liberty Committee, Inc., which derives its funds from private persons and organizations in the U.S.A.

### VOICE OF AMERICA RADIO STATION IN GERMANY

**ADDR:** Voice of America, Washington D.C. 20547, U.S.A.
**Medium Wave:** Munich A 1196kHz 251m 300kW; 03.00-07.30, 16.00-23.30 (Sun. 23.45) — **Short Wave:** Munich 100kW: 03.00-07.30, 12.00-23.30 (Sun 23.45).

| kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|
| 3980 | 75.38 | 9540 | 31.45 | 17780 | 16.87 |
| 6040 | 49.67 | 9760 | 30.74 | | |

**Medium Wave:** 03.00-04.00 Russian, 04.00-04.15 Music, 04.15-04.30 Hungarian, 04.30-04.45 Czech, 04.45-05.00 Polish, 05.00-07.30 **English,** 16.00-18.00 **English,** 18.00-19.00 Czech, 19.00-20.00 Polish, 20.00-21.30 Hungarian, 21.30-23.45 **English.**
**Short Wave:** See U.S.A.
**ANN:** "You are listening to the Voice of America from Munich" —
**INT-SIG:** Variations of "Columbia, the Gem of the Ocean" — **V.** by QSL-card.

## GERMANY

### GERMAN DEMOCRATIC REPUBLIC

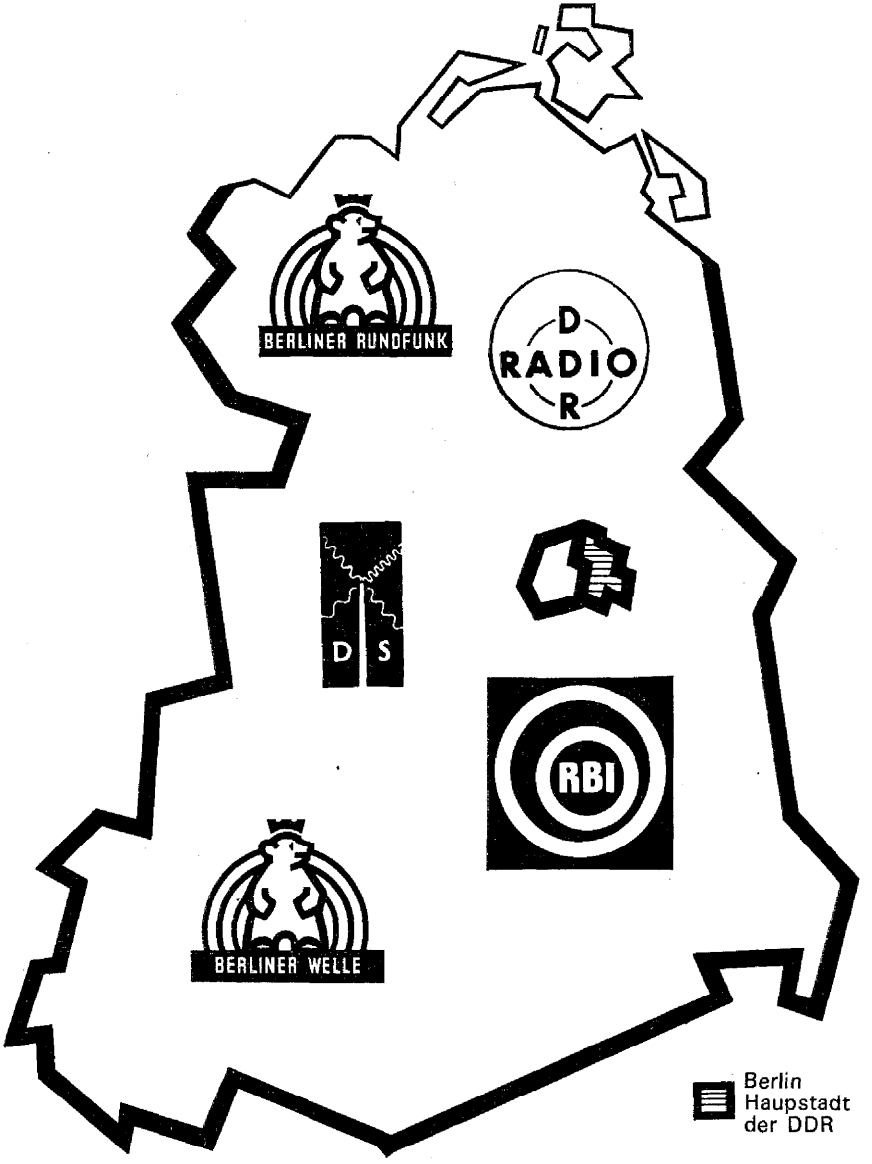
**L.T:** GMT+1 h — **Pr.L:** German.

### STAATLICHES RUNDFUNKKOMITTEE (Gov.)

**ADDR:** 116, Berlin, Nalepastrasse 18-50. **Te:** 632831. **Cable:** Funkkomittee — **L.P:** Dir. Gen: Prof. Dr. h. c. G. Eisler. Vice Dir. Gen: R. Grimmer. Dir. Adm: H. Ebel. Dir. Tec: W. Schmidt. Dir. Foreign Rel: M. Müller. Intendant: K. Ehrich (Deutschlandsender), H. Classen (Berliner Rundfunk), R. Schmidt. (R. DDR), C. Kirschnek (R. Berlin International).

# Deutscher Demokratischer Rundfunk

Deutsche Demokratische Republik
116 Berlin
Nalepastrasse 18-50




TELEFON: 632831

TELEX: 011276-278

## HOME SERVICE

**DEUTSCHLANDSENDER:** D.Prgr: D 03.00-02.45.

| Location: | kHz | m | kW |
|---|---|---|---|
| Berlin (Königswusterhausen) | 185 | 1621.6 | 200/1000 |
| Burg | 782 | 383.6 | 250 |
| Schwerin (Wöbbelin) | 728 | 412.1 | 250 |
| Suhl (Wachenbrunn) | 692 | 433.8 | 250 |
| Berlin | 6115 | 49.06 | 20 |
| Berlin | 7185 | 41.75 | 5 |

| FM: | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Sonneberg | 24 | 94.2 | 1 | Karl Marx-Stadt | 34 | 97.05 | 1 |
| Schwerin | 27 | 95.25 | 10 | Inselsberg | 34 | 97.15 | 10 |
| Leipzig | 32 | 96.6 | 10 | Brocken | 35 | 97.4 | 10 |
| Marlow | 32 | 96.65 | | Berlin-Köpenick | 35 | 97.65 | 3 |
| Dequede | 33 | 96.9 | 1 | | | | |

Sat 03.00-03.00; Sun 03.00-23.20 (all freq's). Mon-Fri 03.00-23.15 (exc. 08.00-11.00) on 728/782/6115/7185kHz+97.65MHz, exc. Tues-Fri 728/6115/7185kHz+97.65kHz.
Mon-Fri 23.15-03.30, Sun 23.20-03.00 night prgr on 728/782MHz +97.65MHz.
**N, Wrp:** 00.00, 02.00, 03.05 (W), 03.30 (W), 04.00 (W), 04.30 (W), 05.00 (W), 05.30 (W), 06.00 (W), 07.00, 09.00 (W), 11.00, 12.00 (W), 14.00, 16.00, 17.00, 18.00 (W), 20.30 (W), 22.00.
**Comm:** 18.10 (W), 17.00 (Sun); repeat: 23.10 — **Actualities:** 09.10, 10.00, 14.05, 16.00, 17.00, 18.15, 20.40 — **Press Review:** 07.05, 12.10 — **Folklore:** Sun 07.20, Mon, Wed 10.30, Tues 20.00, Thurs 15.30, Fri 10.25 — **Maritime** Wrp (on 185kc only): 02.45, 04.05 (all freq's), 09.50, 16.50, 23.20.

**BERLINER RUNDFUNK: D.Prgr:** 03.00-02.00.

| Stations: | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Karl-Marx-Stadt | 602 | 498 | 20 | Reichenbach | 917 | 328.9 | 20 |
| Berlin-Köpenick | 611 | 491 | 500 | Plauen | 1079 | 278.1 | 20 |
| Potsdam | 656 | 457.3 | 20 | | | | |

| FM Stations: | ch | MHz | | ch | MHz |
|---|---|---|---|---|---|
| Karl-Marx-Stadt | 10 | 89.8 | Brocken | 15 | 91.55 |
| Dresden | 10 | 90.1 | Sonneberg | 16 | 91.7 |
| Inselsberg | 11 | 90.2 | Marlow | 22 | 93.5 |
| Leipzig | 11 | 90.4 | Schwerin | 38 | 98.55 |
| Berlin | 15 | 91.4 | Dequede | 40 | 98.9 |

03.00-23.05 on all freq's: 23.10-02.45 on 611kHz only. Mon 07.30-11.00 on 656kHz/91.4MHz; Wed 07.30-11.00 not on 656kHz — **N,Wrp:** W 00.30, 01.30, 03.05, 03.30, 04.30, 05.00, 05.30, 06.00, 06.30, 07.30, 09.30, 11.30, 15.30, 18.30, 20.30, 22.30. Sun: 00.30, 01.30, 04.30, 05.30, 06.30, 07.30, 09.30, 12.30, 14.00, 18.00, 20.30, 22.30 — **Comm:** 11.30 (Sun), 18.00 (W) — **Actualities:** 17.00, 20.40 (W), 17.00 (Sun). **Press-Review:** 10.50 (W).

**RADIO DDR I:** 24 h of information and entertainment.

| Stations: | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Schwerin | 529 | 567.1 | 220 | Berlin | 881 | 340.5 | 100 |
| Greifswald | 557 | 538.6 | 5 | Dresden | 1043 | 287.6 | 220 |
| Leipzig | 575 | 521.7 | 120 | Suhl | 1052 | 285.1 | 20 |
| Erfurt | 629 | 476.9 | 20 | Seelow | 1546 | 194 | 5 |
| Cottbus | 746 | 402.1 | 20 | Bernburg | 1570 | 191.1 | 20 |

| FM: | ch | MHz | | ch | MHz |
|---|---|---|---|---|---|
| Inselsberg | 3 | 87.85 | Schwerin | 7 | 89.2 |
| Marlow | 4 | 88.25 | Dequede | 8 | 89.4 |
| Leipzig | 5 | 88.45 | Berlin | 29 | 95.8 |
| Brocken | 6 | 88.95 | Helpterberg | 30 | 95.95 |

**D.PRGR:** 03.00-23.10 on all freq's; 23.00-03.00 on 557, 1043kHz and Mon, Wed, Fri also on 575kHz.
**N & Wrp:** W 04.00-22.00 every h on the h, D. 00.30, 01.30, W 03.05, 03.30, 05.30, 06.30. Sun 03.05, 04.00, 05.00, 06.00, 08.00, 10.00, 12.00, 14.00, 16.00, 18.00, 20.00, 21.00. **Folklore:** Tues, Thurs, Sat 07.05, Sat also 17.05 — **Actualities and Comm** (also on R. DDR II): 09.10 (W), 18.10 (D), 21.10 (W) — **Rlg Sce:** Sun 06.30 — **Prgr. Preview:** 14.05 (W) — **Folklore:** Tues, Thurs, Sat 07.05, Sat also 17.05.

**RADIO DDR II: D** 09.00-23.10.

| FM Stations | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Reinsberg | 12 | 90.5 | 10 | Brocken | 25 | 94.6 | 1 |
| Marlow | 14 | 91.05 | 10 | Dequede | 26 | 94.9 | |
| Dresden | 17 | 92.25 | | Berlin | | | |
| Inselsberg | 18 | 92.55 | 1 | (Köpenick) | 27 | 97.05 | |
| Schwerin | 19 | 92.75 | 10 | Görlitz | 28 | 95.4 | |
| Karl-Marx-Stadt | 19 | 92.85 | 10 | Cottbus | 39 | 98.6 | |
| Leipzig | 23 | 93.85 | 10 | | | | |

**D.PRGR: N and Wrp:** 09.00 (W), 11.00, 12.00 (Mon-Fri), 13.00 (W), 14.00 (Sun), 15.00 (Sat), 16.30 (Sun), 17.00 (W), 18.00 (Sun), 21.00. **L.L:** 10.40-10.55: **E** (Wed), **F** (Tues), **Russ** (Thurs), **Sp** (Fri), 16.00-16.15: **E** (Tues), **F** (Mon), **Russ** (Wed), **Sp** (Thurs) — **Actualities:** 17.10 (W), 18.10 (Sun), 21.20 (W).
**Rel. R. DDR I:** Mon and Wed 22.10 (Sun and Thurs 23.00)-23.10; Tues, Fri, Sat 22.00-23.10.

**BERLINER WELLE**
**Station:** Berlin-Köpenick 1358kHz 220.9m 50kW — ch42 99.7 MHz 10kW.
**D.Prgr:** Sun 03.00-23.10, 23.10-02.45 on 99.7MHz only; Mon-Fri 03.00-11.00, 14.30-23.10; Mon 23.10-02.45 on 611kHz only; Tues-Fri 23.10-02.45 on 99.7MHz only; 03.00-23.05, 23.05-02.45 on 99.7MHz only; Mon 07.05-11.00 on 99.7MHz. Sun 03.00-06.00, 12.30-14.45 and Mon-Sat 03.00-04.00 as Berliner Rundfunk.
**N, Wrp:** W 00.30, 01.30, 03.05, 03.30, 04.00, 04.30, 05.00, 05.30, 06.00, 06.30, 07.00, 08.00, 14.30 (Sat 14.00), 15.30 (not Sat), 16.00, 17.00, 18.00, 20.00, 21.00 (Sat only), 22.00; Sun 00.30, 04.30, 05.30, 06.30, 07.30, 12.30, 14.00, 16.00, 18.00, 20.00, 21.00, 22.00 — **Comm:** 18.10 (Sun), 18.12 (W) — **Actualities:** 16.05 (Sun), 17.00 (W) — **Stereophonic exp. prgr's:** 14.50-15.30 (Sun), 17.30-18.00 (Tues, Thurs), 20.07-21.00 (Fri), 11.50-12.30 (Sat — monthly).

### RADIO BERLIN INTERNATIONAL

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 1430 | 210.0 | 9530 | 31.48 | 11875 | 25.26 | 17755 | 16.90 |
| 1511 | 198.5 | 9560 | 31.38 | 11890 | 25.23 | 17780 | 16.87 |
| 6050 | 49.59 | 9600 | 31.25 | 15200 | 19.74 | 17880 | 16.78 |
| 6080 | 49.34 | 9650 | 31.09 | 15210 | 19.72 | 17900 | 16.76 |
| 6115 | 49.06 | 9730 | 30.83 | 15240 | 19.69 | 21465 | 13.98 |
| 7185 | 41.75 | 11745 | 25.54 | 15270 | 19.65 | 21540 | 13.93 |
| 7300 | 41.10 | 11765 | 25.50 | 15390 | 19.49 | 21555 | 13.92 |
| 9500 | 31.58 | 11785 | 25.46 | 17725 | 16.93 | 21585 | 13.90 |

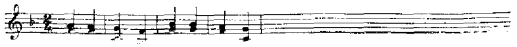
**EUROPEAN SERVICE:** On 6080/6115/7185/7300/9730kHz:
**English:** 17.30-18.00, 20.15-20.45, 22.00-22.30, 23.00-23.30 (exc. 7300kHz). **DX-Prgr:** Mon 17.30, 20.15, 22.00.
**French:** 18.30-19.00 (exc. 9730kHz), 21.00-21.30, 23.45-00.15 (exc. 7300kHz) — **Danish:** 18.00-18.30, 19.15-19.45 (exc. 9730 kHz) — **Italian:** 16.30-17.00, 21.30-22.00.
**Swedish:** 17.00-17.30, 19.45-20.15 (exc. 9730kHz). **DX-Prgr:** Mon 17.00, 19.45 — **Spanish:** 22.30-23.00 — **German:** 19.00-19.15 (exc. 9730kHz), 20.45-21.00.

**OVERSEAS SERVICE:**
I=Near East; II=No. We. Africa; III=Ce. Africa; IV=We. Africa; VI=So. Ea. Asia; VII=No. America (East); VIII=No. America (West); IX=Latin America.

| Arabic | Area | kHz | French | Area | kHz |
|---|---|---|---|---|---|
| 05.15-06.15 | I | 9730, 15210 | 15.15-16.00 | V | 17900 |
| | | 15240, 15270 | 17.30-18.15 | III | 15390 |
| 10.00-14.00 | I | 9730, 15240 | 18.45-19.30 | IV | 15200 |
| | | 17755 | 20.15-21.00 | IV | 15200 |
| 13.00-14.00 | II | 11890 | | II | 6050 |
| 19.00-20.00 | I | 11765, 11900 | **German** | | |
| 21.00-22.00 | II | 6050 | 12.45-13.30 | VI | 21540 |
| **English** | | | 14.00-14.45 | I | 9730, 15340 |
| 03.45-04.30 | III | 11875 | | | 17755 |
| 06.15-07.00 | IV | 11875 | | II | 11890 |
| 06.45-07.30 | VI | 21465 | 00.45-01.30 | IX | 9600, 11785 |
| 11.15-12.00 | VI | 21540 | 01.45-02.30 | VII | 9500, 9730 |
| 12.00-12.45 | VI | 17880, 21540 | 04.15-05.00 | VIII | 9560, 9650 |
| 12.15-13.00 | III | 21585 | **Portuguese** | | |
| 13.15-14.00 | IV | 21555 | 23.15-24.00 | IX | 9500, 9600 |
| 13.30-14.15 | VI | 21540 | | | 11785 |
| 14.30-15.15 | VI | 17780 | 01.30-02.15 | IX | 9600, 11785 |
| 15.15-16.00 | VI | 17780 | **Spanish** | | |
| 16.00-16.45 | III | 15390 | 00.00-00.45 | IX | 9500, 9600 |
| | V | 17800 | | | 11785 |
| 19.30-20.15 | IV | 15200 | 02.15-03.00 | IX | 9600, 11785 |
| 01.00-01.45 | VII | 9500, 9730 | **Swahili** | | |
| 02.30-03.15 | VII | 9500, 9730 | 10.45-11.30 | V | 17725 |
| 03.30-04.15 | VIII | 9560, 9650 | | III | 21585 |
| **French** | | | 16.45-17.30 | V | 17900 |
| 04.30-05.15 | III | 11875 | | III | 15390 |
| 05.30-06.15 | IV | 11875 | 21.15-22.00 | III | 11745 |
| 11.30-12.15 | III | 21585 | **Music** | | |
| 14.00-14.45 | IV | 21555 | 18.00-19.00 | I | 11765, 11900 |

**DX-PROGRAMMES: In English:** Mon 12.00 (VI), 12.15 (III), 13.15 (IV), 13.30 (VI), 14.30 (VI), 15.15 (VI), 16.00 (III/V), 17.30 (Europe), 19.30 (IV), 20.15 (Europe), 22.00 (Europe); Tues 01.00 (VII), 02.30 (VII), 03.30 (VIII), 03.45 (III), 06.15 (IV), 06.45 (VI), 11.15 (VI) — **In German:** Mon 12.45 (VI), 14.00 (I/II); Tues 00.45 (IX), 01.45 (VII), 04.15 (VIII) — **In Swedish:** Mon 17.00, 19.45 — **In Italian:** Mon 16.30, 21.30.
**ANN:** E: "This is R. Berlin International the Voice of the German Democratic Republic". F: "Ici Berlin International, la République Démocratique Allemande vous parle". (Africa Sce: "Ici R. Berlin International la Voix de la République Démocratique Allemande"). Swedish: "Här är R. Berlin International, Tyska Demokratiske Republikens sänding på svenska". Danish: "De lytter til R. Berlin International. Den Tyske Demokratiske Republik sender til Danmark". I: "Qui R. Berlino Internationale, la voce della Repubblica Democratica Tedesca". P: "R. Berlin Internacional, a voz da República Democrática Alemana". Sp:

"Habla R. Berlin Internacional, la Voz de la República Democrática Alemana".
**Foreign Service:** Theme from GDR National Anthem



**V.** by QSL-card — **PUB:** "Funk und Fernsehen (weekly) free on request.

**BROADCASTS OF THE SOVIET COMMITTEE FOR CULTURAL RELATIONS** with fellow country-men in the German Democratic Republic: **ADDR:** Vertretung des Sowjetischen Komitees für kulturelle Beziehungen mit Landsleuten im Ausland, Behrenstr. 64/65, Berlin W 8, Postal Addr: 108, Berlin 8. **Te:** 221480 — Further details see USSR.

**RADIO VOLGA (Sovjet Forces in Germany)**
**ADDR:** Menzelstr. 5, Potsdam.
**STATION:** Königswusterhausen 263kHz 1141m 100kW.
**D.PRGR:** 05.00 (Sun 06.00)-22.30 (relay R. Moscow I) — **Special Prgr's for Sovjet Forces in E. Germany:** Sun 09.20-13.00, W 17.00-19.00 — **ANN:** "Govorit Volga".

## GIBRALTAR (British Colony)

**L.T:** GMT+1 h — **Pr.L:** English, Spanish.

**RADIO GIBRALTAR (Gov, Comm.)**
**ADDR:** Wellington Front, Gibraltar. **Cable:** Broadcasts. **Te:** 2519.
**L.P:** Chmn. Gibraltar Broadc. Corpo: C. R. Piccone. Man. Agents: Gibraltar Broadc. Ltd. Chmn: Lord Thomson. Man. Dir: J. M. Coltart. Gen. Mgr: H. J. Ramagge. Chief Eng: T. G. Black.
**STATION:** Wellington Front 1484kHz 202.2m 0.5/1kW.
**HOME SCE:** English, Spanish: 06.55-23.00. **N: English:** 07.00, 11.00 (exc. Sat), 12.30*, 20.00, 20.15*. **Spanish:** 13.00*, 13.15, 21.30*, 21.35. **Wrp:** W 08.25, 13.30, Sun 08.30 — *=Local N, other times relay BBC.
**ANN:** "This is Gibraltar" — **V.** by letter. Re. in English or Spanish. Recorded rep. accepted — **PUB:** Prgr. schedule free on request.
**FI:** By Gov. and adv — **AD:** 4 times daily — **ALF:** £0-10-0.

**BRITISH FORCES BROADC. SCE. GIBRALTAR**
is operated by the Ministry of Defence to provide a service of inf, entertainment as well as a link with home for H.M. Forces stationed in Gibraltar. It is non-comm, does not accept adv — **ADDR:** BFBS, c/o Hqs Royal Signals, Wellington Front, Gibraltar — **L.P:** St. Contr: Lt. Col. J. R. Edgar, MBE. Prgr. Org: Miss M. Hoare.
**STATION:** 93.5MHz.
**D.PRGR:** W 05.45-08.00, 10.15-13.15, 15.00-22.09 (Sat 10.30-22.09). Sun 09.00-22.09. **N:** 06.00, 07.00, 12.00 (Sat 11.45), 13.00, 18.00, 20.00, 22.00 — **ANN:** "This is the British Forces Broadc Sce. Gibraltar" — **V.** by QSL-card. Rp.

## GREAT BRITAIN

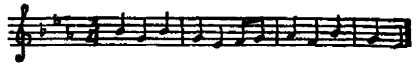
**L.T:** GMT (Su: GMT+1 h) — **Pr.L:** English.

**THE BRITISH BROADCASTING CORPORATION**
The BBC is an independent body created by a Royal Charter and operated under a Licence and Agreement with the Postmaster General.
**ADDR:** Broadc. House, London, W.1. **Te:** 01-580-4468. **Telex:** 22182. **Cable:** "Broadcasts".
**L.P: Board of Management:** Dir. Gen: Sir Hugh Greene, K.C.M.G., O.B.E. Dir. of Adm: J. H. Arkell, C.B.E. Dir. of TV: K. Adam, C.B.E. Dir. of Engineering: Sir Francis McLean, C.B.E. Dir. of Radio: F. G. Gillard, C.B.E. Chief Asst. to Dir. Gen: O. J. Whitley. Dir. of External Broadc: C. J. Curran. **Deputies, Asst. Dir's and Controllers:** Dept. Dir. of Engineering: D. B. Weigall. Asst. Dir. of Engineering: J. Redmond. Asst. Dir. of Radio: R. d'A. Marriott, C.B.E., D.F.C. Contr. of Prgr. Organisation (Radio): M. F. C. Standing, C.B.E. Editor, News and Current Affairs: J. C. Crawley. Contr. Music: W. F. Glock, C.B.E. Contr. Educ. Broadc: R. S. Postgate. Chief Eng. Radio: A. F. Monson. Contr. European Sce's: J. Monahan, C.B.E. Contr. Overseas Sce's: D. M. Hodson. Contr. Adm. External Broadc: R. W. P. Cockburn. Chief Eng. External Broadc: K. R. Sturley, Ph.D. Head of External Sce's News: K. Fairfax. Secr: Hon. K. H. L. Lamb. Contr. of Overseas & Foreign Relations: D. Stephenson, C.B.E. Legal Adviser: E. C. Robbins, C.B.E. Contr. Radio 4 and Music Prgr: G. E. H. Mansell. Contr. Radio 1 and 2: R. Scott. Contr. Radio 3: P. H. Newby. Chief Eng. External Relations: E. L. E. Pawley, O.B.E. Chief Eng. Adm: J. E. F. Voss. Chief Eng, Communications: G. **Stannard.**

**Regional Controllers:** Wales: J. H. Rowley. Midlands: P. M. Beech. N. Ireland: B. W. Maguire. Scotland: A. Stewart, C.B.E. South and West: S. J. de Lotbinière, C.V.O., O.B.E. North: R. Stead, C.B.E.
**RADIO 4 (Home Service):** W 06.35-23.45 approx. Sun 07.50-23.45 approx.

| | | kHz | m | kW |
|---|---|---|---|---|
| Cromer | Northern | 692 | 434 | 2 |
| Moorside Edge | — | 692 | 434 | 150 |
| Whitehaven | — | 692 | 434 | 2 |
| Barrow | — | 1484 | 202 | 2 |
| Westerglen | Scottish | 809 | 371 | 100 |
| Burghead | — | — | — | 100 |
| Redmoss | — | — | — | 5 |
| Dumfries | — | — | — | 2 |
| Washford | Welsh | 881 | 341 | 100 |
| Penmon | — | — | — | 10 |
| Towyn | — | — | — | 5 |
| Wrexham | — | — | — | 2 |
| Brookmans Park | London | 908 | 330 | 140 |
| Ramsgate | — | 1484 | 202 | 2 |
| Start Point | West | 1052 | 285 | 100 |
| Barnstaple | — | — | — | 2 |
| Clevedon | — | 1457 | 206 | 20 |
| Bartley | — | — | — | 10 |
| Brighton | — | — | — | 2 |
| Folkestone | — | — | — | 1 |
| Boxhill | — | — | — | 2 |
| Redruth | — | — | — | 2 |
| Droitwich | Midland | 1088 | 276 | 150 |
| Postwick | — | — | — | 7.5 |
| Lisnagarvey | N. Ireland | 1340 | 224 | 100 |
| Londonderry | — | — | — | 0.25 |
| Stagshaw | Northern | 1151 | 261 | 100 |
| Scarborough | — | — | — | 2 |

**N:** 07.00 (W), 08.00, 09.00, 13.00, 18.00, 22.00, 23.00.
**Greenwich T.S:** 07.00 (W), 08.00 (D), 09.00, 11.00 (W), 13.00, 18.00, 23.00.
**RADIO 2 (Light Prgr):** W 05.30-02.00, Sun 06.55-02.00.
Droitwich 200kHz 1500m 400kW.
**N:** Mon-Fri 05.30 and every h on the half h until 20.30, 19.00, 22.30, 23.30, 23.55; Sat 05.30 and every h on the half h until 12.30, 15.30, 17.30, 19.00, 19.30, 20.35, 22.30, 23.30, 23.55; Sun 07.00, 07.30, 08.30, 09.30, 10.30, 19.30, 22.30, 23.55.
**Greenwich T.S:** 06.45 (200kHz only), 09.00 (W), 10.00 (W), 12.00 (Sat only), 14.00, 15.00 (Mon-Fri), 19.00 (W), 19.30 (Sun), 20.30 (Mon-Fri).
**Opening SIG-TUNE:** Theme One.



There are two versions of different durations, used alternately exc. Sun. Also, Harp arpeggio, choice of six harp interludes.
**RADIO 3:**
647kHz 464m: Daventry (150kW); Edinburgh, Glasgow, Newcastle, Redmoss (2kW) — 1546kHz 194m: Belfast, Bournemouth, Dundee, Exeter, Stockton (0.25kW); Brighton, Fareham, Leeds, Liverpool, Preston, Plymouth, Redruth, Swansea (1kW).
Music Prgr: Mon-Fri 07.00-18.30, Sat 08.00-12.30, Sun 08.00-17.00. Study Session: Mon-Fri 18.30-19.30. Sports Sce: Sat only 12.30-18.00. Third Prgr: Mon-Fri 19.30-23.15, Sat 18.00-23.15, Sun 17.00-23.15.

**RADIO 1 (Popular Music Prgr):** W 05.30-02.00, Sun 06.35-02.00.

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Brighton | 1214 | 247 | 1 | Moorside Edge | 1214 | 247 | 35 |
| Brookmans Park | ,, | ,, | 35 | Newcastle | ,, | ,, | 2 |
| Burghead | ,, | ,, | 20 | Plymouth | ,, | ,, | 0.5 |
| Droitwich | ,, | ,, | 30 | Postwick | ,, | ,, | 1 |
| Fareham | ,, | ,, | 1 | Redmoss | ,, | ,, | 2 |
| Hull | ,, | ,, | 0.15 | Redruth | ,, | ,, | 2 |
| Lisnagarvey | ,, | ,, | 10 | Washford | ,, | ,, | 60 |
| Londonderry | ,, | ,, | 0.5 | Westerglen | ,, | ,, | 25 |

**N:** Mon-Sat 05.30, 19.30, 24.00, 02.00; Sun 07.00, 19.30, 24.00,

| F.M: | MHz | | | Version of | kW/W |
|---|---|---|---|---|---|
| **Stations** | **Radio 2** | **Radio 3** | **Radio 4** | **H. Sce.** | **(ERP)** |
| Ashkirk | 89.1 | 91.3 | 93.5 | Scottish | 18kW* |
| Ballachulish | 88.1 | 90.3 | 92.5 | Scottish | 15W* |
| Ballycastle | 89.0 | 91.2 | 93.4 | N.Ireland | 40W* |
| Barnstaple | 88.5 | 90.7 | 92.9 | West | 150W* |
| Bath | 88.8 | 91.0 | 93.2 | West | 35W* |
| Belmont | 88.8 | 90.9 | 93.1 | North | 8kW* |
| Blaen-plwyf | 88.7 | 90.9 | 92.1 | Welsh | 60kW |
| Brecon | 88.9 | 91.1 | 93.3 | Welsh | 10W* |
| Brighton | 90.1 | 92.3** | 94.5 | West | 150W* |
| Bressay | 88.3 | 90.5 | 92.7 | Scottish | 10kW* |
| Brougher Mountain | 88.9 | 91.1 | 93.3 | N. Ireland | 2.5kW |
| Cambridge | 88.9 | 91.1 | 93.3 | Midland | 20W* |

# Great Britain

| Stations | Radio 2 | Radio 3 | Radio 4 | Version | kW/W |
|---|---|---|---|---|---|
| Carmarthen | 88.5 | 90.7 | 92.9 | Welsh | 10W* |
| Chunchdown Hill | 89.0 | 91.2 | 93.4 | Midland | 25W* |
| Divis | 90.1 | 92.3 | 94.5 | N. Ireland | 60kW |
| Dolgellan | 90.1 | 92.3 | 94.5 | Welsh | 15W* |
| Douglas | 88.4 | 90.6 | 92.8 | North | 6kW* |
| Fortar | 88.3 | 90.5 | 92.7 | Scottish | 10kW* |
| Fort William | 89.3 | 91.5 | 93.7 | Scottish | 1.5kW |
| Grantown | 89.8 | 92.0 | 94.2 | Scottish | 350W* |
| Haverfordwest | 89.3 | 91.5 | 93.7 | Welsh | 10kW* |
| Hereford | 89.7 | 91.9 | 94.1 | Midland | 25W* |
| Holme Moss | 89.3 | 91.5 | 93.7 | North | 120kW |
| Kendal | 88.7 | 90.9 | 93.1 | North | 25W* |
| Kilkeel | 88.8 | 91.0 | 93.2 | N. Ireland | 25W* |
| Kingussie | 89.1 | 91.3 | 93.5 | Scottish | 35W* |
| Kinlochleven | 89.7 | 91.9 | 94.1 | Scottish | 2W |
| Kirk o'Shotts | 89.9 | 92.1 | 94.3 | Scottish | 120kW |
| Larne | 89.1 | 91.3 | 93.5 | N. Ireland | 15W* |
| Les Platons | 91.1 | 94.75 | 97.1 | West | 1.5kW |
| Llanddonna | 89.6 | 91.8 | 94.0 | Welsh | 12kW* |
| Llandrindod Wells | 89.1 | 91.3 | 93.5 | Welsh | 1.5kW |
| Llangollen | 88.85 | 91.05 | 93.25 | Welsh | 10kW* |
| Llanidloes | 88.1 | 90.3 | 92.5 | Welsh | 5W |
| Lochgilphead | 88.3 | 90.5 | 92.7 | Scottish | 10W* |
| Londonderry | 88.3 | 90.55 | 92.7 | N. Ireland | 13kW* |
| Machynlleth | 89.4 | 91.6 | 93.8 | Welsh | 60W* |
| Maddybenny More | 88.7 | 90.9 | 93.1 | N. Ireland | 30W* |
| Meldrum | 88.7 | 90.9 | 93.1 | Scottish | 60kW |
| Melvaig | 89.1 | 91.3 | 93.5 | Scottish | 22kW* |
| Morecambe Bay | 90.0 | 92.2 | 94.4 | North | 4kW* |
| Newry | 88.6 | 90.8 | 93.0 | N. Ireland | 30W* |
| Northampton | 88.9 | 91.1 | 93.3 | Midland | 60W* |
| North Hessary Tor | 88.1 | 90.3 | 92.5 | West | 60kW |
| Oban | 88.9 | 91.1 | 93.3 | Scottish | 1.5kW |
| Okehampton | 88.7 | 90.9 | 93.1 | West | 15W* |
| Orkney | 89.3 | 91.5 | 93.7 | Scottish | 20kW* |
| Oxford | 89.5 | 91.7 | 93.9 | Midland | 22kW* |
| | | | 95.85 | West | |
| Penifiler | 89.5 | 91.7 | 93.9 | Scottish | 6W* |
| Perth | 89.3 | 91.5 | 93.7 | Scottish | 15W* |
| Peterborough | 90.1 | 92.3 | 94.5 | Midland | 20kW* |
| Pitlochry | 89.2 | 91.4 | 93.6 | Scottish | 200W* |
| Pontop Pike | 88.5 | 90.7 | 92.9 | North | 60kW |
| Redruth | 89.7 | 91.9 | 94.1 | West | 9kW* |
| Rosemarkie | 89.6 | 91.8 | 94.0 | Scottish | 12kW* |
| Rowridge | 88.5 | 90.7 | 92.9 | West | 60kW |
| Sandale | 88.1 | 90.3 | 94.7 | North | 120kW |
| | | | 92.5 | Scottish | |
| Scarborough | 89.9 | 92.1 | 94.3 | North | 25W* |
| Sheffield | 89.9 | 92.1 | 94.3 | North | 60W |
| Skriaig | 88.5 | 90.7 | 92.9 | Scottish | 10kW* |
| Sutton Coldfield | 88.3 | 90.5 | 92.7 | Midland | 120kW |
| Swingate | 90.0 | 92.4** | 94.4 | London | 7kW* |
| Tacolneston | 89.7 | 91.9 | 94.1 | Midland | 120kW |
| Thrumster | 90.1 | 92.3 | 94.5 | Scottish | 10kW* |
| Toward | 88.5 | 90.7 | 92.9 | Scottish | 250W* |
| Ventnor | 89.4 | 91.6 | 93.8 | West | 10W* |
| Weardale | 89.7 | 91.9 | 94.1 | North | 100W* |
| Wenvoe | 89.95 | 96.8 | 94.3 | Welsh | 120kW |
| | | | 92.125 | West | |
| Wrotham | 89.1 | 91.3** | 93.5 | London | 120kW |

*=Directional aerial, **=Carries stereophonic tr's at times.

## EXTERNAL SERVICES

**41 sw-tr's:** 15/50/75/100/250kW.
**GC: Woofferton** 02.43W/52.19N, **Daventry** 01.08W/52.15N, **Rampisham** 02.38W/50.48N, **Skelton** 02.54W/54.44N.

| kHz | m | kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|---|---|
| 3952 | 75.90 | 7135 | 42.05 | 9625 | 31.17 | 11680 | 25.68 | 12095 | 24.80 |
| 3975 | 75.47 | 7140 | 42.02 | 9635 | 31.14 | 11705 | 25.63 | 15070 | 19.91 |
| 5965 | 50.28 | 7150 | 41.96 | 9640 | 31.12 | 11710 | 25.62 | 15105 | 19.86 |
| 5975 | 50.21 | 7155 | 41.92 | 9645 | 31.10 | 11720 | 25.60 | 15110 | 19.85 |
| 5990 | 50.08 | 7185 | 41.75 | 9650 | 31.09 | 11750 | 25.53 | 15140 | 19.82 |
| 6010 | 49.92 | 7200 | 41.67 | 9660 | 31.06 | 11770 | 25.49 | 15180 | 19.76 |
| 6035 | 49.71 | 7210 | 41.61 | 9670 | 31.02 | 11780 | 25.47 | 15190 | 19.75 |
| 6050 | 49.59 | 7220 | 41.55 | 9675 | 31.01 | 11795 | 25.43 | 15200 | 19.74 |
| 6070 | 49.42 | 7230 | 41.49 | 9690 | 30.96 | 11800 | 25.42 | 15210 | 19.72 |
| 6080 | 49.34 | 7240 | 41.44 | 9700 | 30.93 | 11820 | 25.38 | 15230 | 19.70 |
| 6110 | 49.10 | 7260 | 41.32 | 9705 | 30.91 | 11830 | 25.36 | 15235 | 19.69 |
| 6120 | 49.02 | 7280 | 41.21 | 9710 | 30.90 | 11840 | 25.34 | 15245 | 19.68 |
| 6125 | 48.98 | 7320 | 40.98 | 9720 | 30.86 | 11860 | 25.30 | 15260 | 19.66 |
| 6140 | 48.86 | 7325 | 40.96 | 9725 | 30.85 | 11880 | 25.25 | 15285 | 19.63 |
| 6150 | 48.78 | 9410 | 31.88 | 9735 | 30.82 | 11890 | 25.23 | 15300 | 19.61 |
| 6165 | 48.66 | 9510 | 31.55 | 9740 | 30.80 | 11905 | 25.20 | 15310 | 19.60 |
| 6170 | 48.62 | 9525 | 31.50 | 9750 | 30.77 | 11910 | 25.19 | 15350 | 19.54 |
| 6180 | 48.54 | 9530 | 31.48 | 9755 | 30.75 | 11920 | 25.17 | 15360 | 19.53 |
| 6195 | 48.43 | 9555 | 31.40 | 9760 | 30.74 | 11925 | 25.16 | 15375 | 19.51 |
| 7105 | 42.22 | 9580 | 31.32 | 9765 | 30.72 | 11930 | 25.15 | 15390 | 19.49 |
| 7110 | 42.19 | 9600 | 31.25 | 9770 | 30.71 | 11945 | 25.12 | 15410 | 19.47 |
| 7120 | 42.13 | 9610 | 31.22 | 9825 | 30.53 | 11955 | 25.09 | 15420 | 19.46 |
| 7130 | 42.08 | 9615 | 31.20 | 9915 | 30.26 | 12040 | 24.92 | 15435 | 19.44 |
| 15445 | 19.42 | 17810 | 16.80 | 21470 | 13.97 | 21640 | 13.86 | 25840 | 11.61 |
| 17695 | 16.95 | 17860 | 16.86 | 21490 | 13.96 | 21660 | 13.85 | 25850 | 11.60 |
| 17705 | 16.94 | 17870 | 16.79 | 21530 | 13.93 | 21675 | 13.84 | 25920 | 11.57 |
| 17715 | 16.93 | 17880 | 16.78 | 21550 | 13.92 | 21680 | 13.84 | 26040 | 11.52 |
| 17730 | 16.92 | 17885 | 16.78 | 21595 | 13.89 | 21710 | 13.82 | 26080 | 11.50 |
| 17740 | 16.91 | 17890 | 16.77 | 21600 | 13.89 | 21740 | 13.80 | | |
| 17745 | 16.91 | 18080 | 16.59 | 21610 | 13.88 | 25650 | 11.70 | | |
| 17755 | 16.90 | 18150 | 16.53 | 21615 | 13.88 | 25670 | 11.66 | | |
| 17790 | 16.84 | 21455 | 13.98 | 21630 | 13.87 | 25720 | 11.66 | | |

The above freq's are shared between the European and Overseas Services and in addition the following freq's on Long and Medium Waves are used in the European Services. *
200kHz 1500m 647kHz 464m 809kHz 371m 1295kHz 232m
**FM:** Berlin 90.2MHz.
The columns below show the wavebands/frequencies which the BBC expects to use during the months from November to March. Details of wavelengths can be obtained from the programme journals, and are always announced at the microphone.

## EUROPEAN SERVICES

| **Bulgarian** | **Nov/March (m.b.)** |
|---|---|
| 04.45-05.00 N, Prgr. | 49, 41, 31 |
| 16.45-17.45 N, Prgr. | 49, 41, 31, 25 |
| 18.45-19.00 E. by R. | 41, 31 |
| 21.15-21.45 N, Prgr. | 49, 41, 31 |
| **Czech** | |
| 05.15-05.30 | 1500, 232, 75, 49, 41, 31 |
| 14.00-14.15 N, Prgr. | 41, 31 |
| 14.15-14.55 (Sun only) | 41, 31 |
| 16.00-16.15 E. by R. (Tues, Thurs, Sat) | 41, 31, 25 |
| 19.00-19.45 N, Prgr. | 49, 41, 31 |
| 22.15-22.30 N, Prgr. | 75, 49, 41 |
| **Slovak** | |
| 11.15-11.30 N, Prgr. | 41, 31, 25, 19 |
| 20.45-21.15 N, Prgr. | 49, 41, 31 |
| **English** | |
| 04.00-04.30 N, Prgr. | 1500, 75, 49, 41, 31, 25 |
| 05.45-06.00 N, Prgr. | 464 |
| 06.00-06.30 N, Prgr. | 464, 75, 49, 41, 31, 25, 19 |
| 10.15-10.30 Rlg. Sce. (W) | 25, 19 |
| 13.00-13.15 N (WS) | 41, 31, 25, 19, 16, 13 |
| 17.15-18.00 N, Prgr. } 18.00-18.30 N, Prgr. (WS) } | 232, 75, 49, 41, 31, 25 |
| 21.00-21.15 N, Prgr | 75, 49, 41, 31 |
| 22.30-22.45 N, Prgr. | 75, 49, 41 |
| **English by Radio** | |
| 05.30-05.45 | 464, 75, 49, 41, 31, 25 |
| 06.45-07.00 | 232, 75, 49, 41, 31, 25, 19 |
| 12.30-13.00 | 41, 31, 25, 19, 16, 13 |
| 17.00-17.15 | 232, 75, 49, 41, 31, 25 |
| **18.30-18.45** | 41, 31 |
| **19.30-20.00** | 232, 75, 49, **41, 31** |
| **22.45-23.00** | 232, 75, 49, **41** |
| **Finnish** | |
| 15.45-16.00 E. by R. (Mon, Wed, Thurs, Sat) | 41, 31 |
| **16.00**-16.45 N, Prgr. | 41, 31 |
| **18.15**-18.30 N, Prgr. | 49, 41 |
| **French** | |
| **05.30**-06.45 N, **Prgr.** | 232 |
| 06.30-06.45 N, Prgr. | 464, 232, 75, 49, 41, 25 |
| 07.15-07.30 E. by R. | 232, 75, 49, 41 |
| 11.30-12.15 N, Prgr. | 371, 41, 31, 25, 19 |
| 18.30-19.30 N, Prgr. | 232, 49, 41, 31 |
| 21.30-22.00 N, Prgr. | 232, 75, 49 |
| **German** (also on 90.2MHz for Berlin) | |
| 04.30-05.15 N, Prgr. | 1500, 232, 75, 49, 41, 31, 25 |
| 05.45-06.15 N, Prgr. | 232, 75, 49, 41, 25 |
| 11.45-12.00 N, Prgr. } 12.00-12.15 (Sun) } | 232, 41, 31, 25, 19 |
| 16.30-16.45 N, Prgr. } 16.45-17.00 (E. by R.) } | 232, 75, 49, 41 |
| 19.00-21.00 N, Prgr. | 232, 75, 49, 41, 31 |
| **Greek** | |
| 05.45-06.00 N, Prgr. | 75, 49, 41, 31 |
| 11.45-12.00 Prgr. | 19, 16, 13 |
| | 41, 31, 25 |
| 16.30-16.45 E. by R. (Sun, Mon, Wed, Fri) | 232, 75, 49, 41 |
| 19.00-19.30 N, Prgr. | 75, 49, 41, 31, 25 |
| **Hebrew** | |
| 10.00-10.15 E. by R. (Thurs, Fri) | 19, 16, 13 |
| 15.00-15.45 | 25, 19, 16 |
| **Hungarian** | 75, 49, 41, 31 |
| 05.30-05.45 N, Prgr. | 75, 49, 41, 25 |
| 06.30-06.45 N, Prgr. | 31, 25, 19 |
| 10.00-10.30 Music (Sun only) | 31, 25, 19, 16 |
| 12.15-12.30 N, Prgr | 41, 31 |
| 15.15-15.30 N. | 41, 31, 25 |

**Hungarian** — **Nov/March (m.b.)**
16.00-16.15 E. by R. (Mon, Wed, Fri) 41, 31, 25
19.45-20.45 N, Prgr. 49, 41, 31
22.00-22.15 N, Prgr. 75, 49, 41

**Italian**
10.15-10.30 E. by R. (Sun) 19, 16, 13
15.30-15.45 E. by R. (W) 41, 31
22.00-22.30 N, Prgr. 232, 75, 49, 41

**Polish**
04.15-04.30 N, Prgr. 464, 75, 49, 31
06.15-06.30 N, Prgr. 232, 75, 49, 41, 25
13.15-13.30
13.30-14.00 (Sun) } 41, 31, 25
13.30-13.45 E. by R. (Wed/Sat)
18.00-19.00 N, Prgr. 75, 49, 41, 31, 25
21.15-22.00 N, Prgr. 232 (to 21.30), 75, 49, 41

**Portuguese**
12.15-12.30 N, Prgr. 25, 19
22.00-22.30 N, Prgr. 49, 41

**Rumanian**
05.00-05.15 N, Prgr. 49, 41, 31
16.00-16.30 N, Prgr. 41, 31, 25, 19
18.45-19.00 E. by R. (Tues, Thurs, Sat) 41, 31
19.30-20.30 N, Prgr. 49, 41, 31
21.45-22.00 N, Prgr. 49, 41, 31

**Russian** *=music
03.45-04.00 Prgr 464, 75, 49, 41, 31, 25
11.00-11.15 N, Prgr. 31, 25, 19, 16
14.45-15.30 N, Prgr. 41, 31, 25, 19, 16
15.30-15.45*(Mon, Wed, Thurs, Sat) 41, 31, 25, 19, 16
16.45-17.00 E. by R. 49, 41, 31, 25
17.00-18.00 N, Prgr. 49, 41, 31, 25, 19, 16
20.00-21.00 N, Prgr. 75, 49, 41, 31

**Spanish**
07.30-07.45 E. by R. (Mon, Wed, Thurs, Fri) 49, 41, 31
13.15-13.30 N, Prgr. 25, 19
21.15-22.00 N, Prgr. 49, 41

**Turkish**
05.15-05.30 N, Talk 49, 41, 31
15.45-16.00 N, Prgr. 25, 19, 16
16.30-16.45 E. by R. (Tues, Thurs, Sat) 41, 31, 25
18.30-19.00 N. Prgr. 49, 41, 31, 25

**Serbo-Croat**
12.45-13.00 E. by R. (Tues, Thurs, Sat) 19, 16, 13
14.15-14.30 N, Prgr. 25, 19
15.30-16.00 Slovene (Sun) 41, 31
17.45-18.00 N, Prgr. 49, 41, 31, 25
18.00-18.30 Slovene 49, 41, 31, 25
20.30-21.15 N, Prgr. 49, 41, 31

## BBC WORLD SERVICE

**To Australia** — **kHz**
20.00-21.15 7120, 9410, 12095, 15200
21.15-22.45 7120, 9410, 15260, 17740
05.45-06.00 7150, 11955
06.00-09.15 7150, 9640, 11955
09.00-11.30 17770, 21550, 25120

**To New Zealand**
20.00-21.15 7120, 9410, 11860, 15260, 17740
21.15-22.45 7120, 9410, 15260, 17740
05.45-06.00 7150, 11955
06.00-09.15 7150, 9640, 11955
09.00-11.30 15070, 17790

**To Far East/No. We. Pacific**
09.00-11.30 15070

**To South East Asia***
23.00-23.15 6150, 7325, 9410
00.00-00.30 6150, 7325, 9410
01.45-02.15 6150, 9410
09.00-11.30 17790, 21550, 25720
11.30-13.15 15070, 17790, 21550, 25720
13.15-16.00 15070, 17790, 21550
16.00-16.15 12095, 15070, 17790, 21550
16.15-18.15 12095, 15070
*) Burma, Thailand, So. China, Honk Kong, Vietnam, Laos, Cambodia, Indonesia, Singapore, Malaysia.

**To South Asia****
23.00-23.15 6150, 7325, 9410
00.00-00.30 6150, 7130, 7325, 9410
01.45-02.15 6150, 7235, 9410
09.00-11.30 17790, 21550, 25720
11.30-13.15 15070,1 7790, 21550, 25270
13.15-16.00 15070, 17790, 21550
16.00-16.15 12095, 15070, 17790, 21550
16.15-18.15 12095, 15070
**) India, Pakistan, Ceylon, Nepal.

**To Middle East**
01.45-02.15 9410
03.00-03.45 3952, 6195, 9410
03.45-04.00 6195, 9410
04.00-05.00 6195, 9410, 12095
05.00-06.00 6195, 9410, 12095, 15260
06.00-06.30 6195, 9410, 12095, 15260, 17790
06.30-07.30 9410, 12095, 15260, 17790, 21470
07.30-09.00 17790, 21470
09.00-16.00 15070, 17790, 21470, 25650
16.00-16.15 12095, 15070, 17790, 21470, 25650
16.15-16.45 12095, 15070, 21470
16.45-17.45 9410, 12095, 15070, 21470
17.45-18.00 9410, 12095, 15070
18.00-18.30 7120, 9410, 12095, 15070
18.30-20.00 7120, 9410, 12095
20.00-21.15 6195, 7120, 9410, 12095
21.15-22.45 6195, 7120
22.45-23.15 6195

**To East Africa**
03.00-04.00 6195, 9410
04.00-05.00 6195, 9410, 12095

**To East Africa**
05.00-06.00 6195, 9410, 12095, 15260
06.00-06.30 6195, 9410, 12095, 15260, 17790
06.30-07.30 9410, 12095, 15260, 17790, 21470
09.00-16.00 15070, 17790, 21470, 25650
16.00-16.15 12095, 15070, 17790, 21470, 25650
16.15-16.45 12095, 15070, 21470
16.45-17.45 9410, 12095, 15070, 17790, 21470
17.15-18.00 9410, 12095, 15070, 17790
18.00-18.15 7120, 9410, 12095, 15070, 17790
18.15-20.00 7120, 9410, 12095, 15070
20.00-21.15 6195, 7120, 9410, 12095, 15070

**To Ce. Mediterranean*****
04.00-06.00 6195, 7185, 9410, 9580, 11750, 12095, 15260 (from 05.00)
06.00-06.30 6195, 7185, 9410, 9580, 11750, 12095, 15260, 17790
06.30-07.30 7185, 9410, 9580, 12095, 15260, 17790, 21470, 15070 (from 07.00)
07.30-09.00 15070
09.00-10.30 15070, 17790, 21470
10.30-16.00 15070, 17705, 17790, 21470
16.00-16.15 12095, 15070, 17705, 17790, 21470
16.15-16.45 12095, 15070, 17705, 21470
16.45-17.45 9410, 12095, 15070, 17705, 21470
17.45-18.00 9410, 12095, 15070
18.00-20.00 7120, 9410, 11860, 12095, 15070
20.00-21.15 6195, 7120, 9410, 11860, 12095, 15070
21.15-22.45 6195, 7120, 9410, 15070
***) incl. Italy, Malta, Greece, No. Africa.

**To Ce. and So. Africa**
04.00-06.30 7185, 9580, 11750, 15070 (from 06.00)
06.30-07.00 7185, 9580
07.00-07.30 7185, 9580, 11750, 15070, 17810
07.30-08.15 15070, 17810
08.15-09.15 15070, 17810, 21710
10.30-16.15 15070, 17705, 21710, 25650
16.15-17.45 15070, 17705, 21710
17.45-18.00 9410, 15070, 21710

**To Ce. and So. Africa**
18.00-18.30 7120, 9410, 11860, 15070, 21710
18.30-21.15 7120, 9410, 11860, 15070
21.15-22.45 7120, 9410, 15070

**To. We. & No. We. Africa******
05.00-05.15 6110, 7185, 9510, 9580, 9710, 11750, 11925
05.15-06.00 6110, 7185, 9580, 9710, 11750
06.00-06.30 6110, 7185, 9510, 9580, 9710, 11750, 11925, 15070
06.30-07.00 6110, 7185, 9580
07.00-07.30 6110, 7185, 9580, 9710, 11750, 15070, 17810
07.30-08.15 6110 (08.00 only), 15070, 17810
08.15-09.15 15070, 17810, 21710
09.15-10.30 15070
10.30-16.15 15070, 17705, 21710, 25650
16.15-17.45 15070, 17705, 21710
17.45-18.00 9410, 15070, 15435, 21710
18.00-18.30 7120, 9410, 11860, 15070, 15435
18.30-22.45 7120, 9410, 15070, 11860 (to 21.15 only)
****) incl. Gibraltar and W. Mediterranean.

**To So. America°)**
20.00-21.15 15260, 17740
21.15-22.00 12095, 15260, 17740
22.00-22.45 9510, 12095, 15260, 17740
22.45-23.15 9510, 11750, 12095, 15260
23.15-00.30 9510, 11750, 12095, 15260
00.30-02.15 9510, 11750, 15260
02.15-03.30 9510, 11750
°) South of Amazon excl. Peru.

**To West Indies, Ce. America°°)** — **kHz**
20.00-21.15 11750, 15200
21.30-22.45 9580, 11750, 15200
22.45-03.30 6110, 9580, 11750
**) incl. So. America (No. of of Amazon and Peru).

**To Canada, USA, Mexico**
21.15-21.30 6195, 11780
21.30-22.45 6195, 9580, 11780
22.45-00.30 6110, 6195, 9580, 11780
00.30-03.30 6110, 9580

**To Atlantic & Pacific Islands**
22.00-03.30 7130

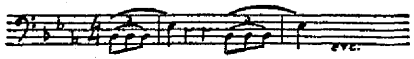
**To So. Atlantic**
22.00-00.30 9765

**N:** 00.00, 02.00, 03.00, 04.00, 05.00, 06.00, 07.00, 09.00, 11.00, 13.00, 14.00, 16.00, 18.00, 20.00, 22.00, 23.00 — **N. about Britain:** 00.09, 03.09, 07.20, 13.09, 18.09 — **R. Newsreel:** 00.15, 06.15, 08.00, 12.00 (W), 15.00 (exc. Sat), 18.15 — **From the Editorials:** 01.50 (exc. Sun), 03.50, 05.09, 07.15, 09.15 — **Greenwich T.S:** 00.00, 02.00, 03.00, 04.00, 05.00, 06.00, 07.00, 08.00, 09.00, 10.00, 11.00, 12.00, 13.00, 14.00, 14.15, 15.00, 16.00, 17.00, 18.00, 20.00, 22.00, 23.00 — **World Radio Club:** Sat 07.45, Sun 02.45, Tues 21.00, Thurs 12.45.

The BBC World Service is also re-broadcast by the Far Eastern, East Mediterranean, Middle East, West African, Central African and Atlantic relays (see the resp. stations).

**GREENWICH T.S:** at the h are radiated on one or other of the European Prgr's on the long, medium or sw. normally scheduled at 04.00, 05.00, 06.00, 11.00, 14.00, 16.00, 19.00, 20.00, 21.00, 22.00 — **Big Ben:** 12.00, 19.00, 21.00.

**INT-SIG:** (for European Service): Morse Signal "V" (V for Victory) played on Timpani (i.e. ...-) —



### OTHER OVERSEAS SERVICES

**ENGLISH:**

**African Sce: kHz**
04.45-05.00 7210, 7260, 9510, 11925
06.30-07.00 9710, 11750, 15070
07.30-08.00 15105, 17715, 21550
10.15-11.00 17715, 21630, 25670
11.00-11.45 17715, 21610, 26080
16.30-17.09 17715, 21630
17.00-17.30 15435, 21590, 25750
17.30-17.45 15435, 17715, 21590, 21630, 25750

**Mauritius Sce:**
09.45-10.00*17715, 21630, 25610
*) Mon fortnightly (in English/French).

**North American Sce:**
(for Canada, USA, Mexico)
15.00-17.30*21610kHz
*) in English/French.

**Caribbean Sce:**
(for West Indies)
21.15-21.30 9580, 11750, 15200 (Mon-Fri)

**Falkland Isl. Sce:**
22.15-22.45 (Sun) 9765, 12095

**FRENCH (to Africa): m.b.**
04.30-04.45 49, 41, 31, 25
05.15-05.45 49, 41, 31, 25
06.30-07.00 31, 25, 19
12.00-13.30 19, 16, 13, 11
18.30-19.30 31, 25, 19, 16, 13
21.30-21.45 31, 25, 19

**PORTUGUESE & SPANISH**
(Latin American Sce)

**Portuguese: kHz**
22.00-23.00 9600, 11945, 12040, 15390
23.00-00.15 7210, 9600, 11945, 12040, 15390

**Spanish:**
00.15-01.15 7210, 9600, 9825, 11770, 12040
01.15-03.15 5975, 7190, 7210, 9600, 9765, 9825, 11770, 12040
03.15-04.15 5975

**IN OTHER LANGUAGES**

**EASTERN SCE:**

**Bengali m.b.**
01.30-01.45 49, 41, 31
09.30-10.00a 16, 13, 11

**Burmese m.b.**
23.30-23.45 49, 41, 31
13.45-14.15 19, 16, 13, 11

**Hindi**
15.00-15.45 19, 16, 13, 11

**Persian**
16.15-17.00 470, 25, 19, 16

**Sinhala**
09.30-10.00b 16, 13, 11

**Tamil**
09.30-10.00c 16, 13, 11

**Urdu**
14.15-15.00 19, 16, 13, 11

**FAR EASTERN SCE:**

**Chinese m.b.**
22.15-22.45 49, 41
10.00-10.30 16, 13, 11
12.00-13.00 16, 13, 11

**Indonesian**
23.15-23.30 49, 41, 31
10.30-11.00 16, 13, 11

**Japanese**
22.00-22.15 49, 41
11.00-11.30 16, 13, 11

**Malay**
13.00-13.15 16, 13, 11

**Thai**
23.45-00.00 49, 41, 31
13.15-13.45 16, 13, 11

**Vietnamese**
22.45-23.00 49, 41, 31
11.30-12.00 16, 13, 11

**ARABIC SCE:**

**Arabic m.b.**
03.45-05.45 49, 41, 31, 25
13.00-16.30 19, 16, 13, 11
16.30-18.00 31
18.00-21.00 31, 25

**AFRICA SCE**

**Hausa m.b.**
05.45-06.00 49, 41, 31, 25
13.45-14.15 19, 16, 13, 11
19.30-19.45 31, 25, 19, 16, 13

**Maltese**
17.09-17.15 16, 13

**Somali**
14.30-15.00 19, 16, 13
17.15-17.30 16, 13

**Swahili**
03.30-03.45 49, 41, 31, 25
10.00-10.15 16, 13, 11
15.45-16.15 16, 13

a) Mon/Wed/Sat; b) Tues/Fri; c) Sun/Thurs.

**V.** The BBC welcomes reception reports which are acknowledged with a special card. Re. to C.E.X.B, Bush House, London, W.C.2. **PUB:** "Radio Times", "The Listener" (weekly), "English by Radio and Television" (fortnightly), "London Calling" (European edition, monthly — Overseas edition, monthly), BBC Handbook (annually) — **FI:** The revenue for its Domestic Sce's is drawn from licence fees paid by listeners and viewers; the revenue for its External Sce's is provided by a Grant-in-Aid from the Treasury — **ALF:** £1-10-0 (radio), £5-0-0 (radio and TV).

**For various relay st's:** see Ascencion Island, Malta, Cyprus, Liberia, Malaysia, Botswana.

**BRITISH FORCES BROADCASTING SCE. (Head Office)**
Responsible for the operation and control of the service on behalf of the Ministry of Defence. Also produces some 35 hrs. of recorded prgrs a week for tr by BFBS st's in Germany, Cyprus, Tobruk, Benghazi, Malta, Aden, Gibraltar and Singapore (see resp. countries).
**ADDR:** Kings Bldgs, Dean Stanley St, London S.W.1. **Te:** TATe Gallery 5646 — **L.P:** Dir: B. W. Cave-Browne-Cave, OBE. Contr. Prgr's: I. J. Woolf. Contr. Prgr. Adm: A. E. Watson. Chief Eng: P. I. K. Woodford.

**MANX RADIO (Comm.)**
Licensed by the GPO on behalf of the Isle of Man Gov — **ADDR:** P.O. Box 22, Douglas, Isle of Man. **Te:** 3277 — **L.P:** Chmn: R. L. Meyer. Gen. Mgr: J. R. Grierson, M.A, LL.B. Chief Eng: R. Joyce.
**STATIONS:** 1295kHz 232m 1/0.2kW (daylight) — 1594kHz 188m 1/0.2kW (dawn-and-dusk)* — 89MHz (all times) — **D.Prgr's:** 06.55-19.00. After 19.00 Rlg. prgr's on 89MHz only; close-down varies from 19.15 to 22.00.

*also used from 10.00 for rlg. prgr's — **ANN:** "This is Manx Radio on ... mw also broadc. in the VHF band on 89MHz from Douglas, Isle of Man".

**VOICE OF AMERICA RELAY STATION IN GREAT BRITAIN**
**ADDR:** Voice of America, Washington, D.C. 20547, U.S.A.
**STATIONS:** Woofferton 250kW: 02.00-07.30, 12.00-22.15.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 5960 | 50.34 | 7200 | 41.67 | 9740 | 30.80 | 15195 | 19.74 |
| 6060 | 49.50 | 7270 | 41.27 | 11705 | 25.63 | 15290 | 19.62 |
| 6150 | 48.78 | 9565 | 31.36 | 11710 | 25.62 | 17800 | 16.85 |
| 7170 | 41.84 | 9715 | 30.88 | 11760 | 25.51 | | |

**G.C:** 02.43W/52.19N.
**D.PRGR:** See U.S.A. — **ANN:** "This is the Voice of America" is announced in the language of the program in which it is given. Station identification is in English: "A broadcast of the Voice of America on facilities placed at their disposal by the British Broadcasting Corporation" — **V.** by QSL-card.

## GREECE

**L.T:** GMT+2 h — **Pr.L:** Greek.

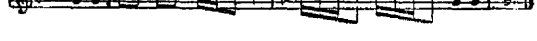
**NATIONAL HELLENIC BROADCASTING INSTITUTE**
(Ethnikon Idhryma Radiophonias, Gov. Legal Entity of Public Law.)

**ADDR:** Mourouzi Str. 16, Athens 138. **Studios:** Zappeion Bldg, Athens 118. **Te:** 228619. **Cable:** Radiostathens.
**L.P:** Pres. of the Adm. Council: M. Stavropoulos. Dir. Gen: J. Anastassopoulos. Dir. Tec: V. Aslanides. Dir. Pub. Rel: A. Margaritis.

| STATIONS | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Athens (Nat.) | 728 | 412.1 | 150 | Comotini | 1403 | 213.8 | 5 |
| Athens (2'Prgr) | 1385 | 216.8 | 50 | Volos* | 1484 | 202.2 | 1 |
| Athens (3'Prgr) | 665 | 451.2 | 15 | Rhodos* | 1493 | 201.0 | 5 |
| Thessaloniki I | 791 | 379.2 | 50 | Patras* | 1511 | 198.5 | 0.2 |
| Thessaloniki | 7290 | 41.15 | 35 | Chania* | 1511 | 198.5 | 5 |
| Thessaloniki | 9710 | 30.90 | 35 | Amalias* | 1562 | 192.1 | 1.25 |
| Thessaloniki II | 1043 | 287.6 | 5 | * Nat. and Reg. | | | |
| Corfu* | 1007 | 298.0 | 50 | | | | |

**HOME SCE: Nat. Prgr:** W 04.30-08.05, 10.25-13.25, 15.00-23.05; Sun 04.30-23.00. **N: W** 05.00, 05.50*, 06.00, 07.00, 08.00, 11.00, 12.30, 16.00, 17.00, 17.30**, 18.30*, 19.30, 22.00, 23.00. Sun 05.15, 05.25*, 11.00, 12.15, 17.00, 17.30**, 19.30, 22.00 — * English and French; ** Newsreel — **Wrp:** W 04.50, 05.55 (English), 06.08, 13.23, 17.58***; Sun 04.50, 05.30 (English), 17.58*** — *** in Greek/English/French.
**Nat Music:** Mostly at 05.15-07.00, 10.30-10.45, 17.15-17.30.
**Rlg. (Orthodox):** Sun (approx) 05.35-08.00.
**Thessaloniki I:** 791kHz: 04.30-06.30, 10.30-22.30; 7290kHz: 18.00-18.30; 9710kHz: 11.00-13.00. **N:** 04.55, 05.00, 11.00, 12.30 (W), 15.30 (W), 16.00, 22.00. **Calling Greeks in Europe:** D 20.00-20.30. Sat 21.30-22.00.
**Nat. & Reg:** Approx. times of tr. as **Nat. Prgr.**
**2' Prgr:** W 05.00-07.00, 08.00-13.15, 17.00-21.30. Sun 05.00-21.30. (Light prgr's, mainly) — **3' Prgr:** D 17.00-22.00 (serious music only) **ANN.** (for all mw stations): "Ethnikon Idhryma Radiophonias" (NBI). **Nat. Prgr:** "Ethnikon Proghramma". **2' Prgr:** "Dhéfteron Proghramma". **3' Prgr:** "Triton Proghramma".
**Reg. Prgr's:** Name of Region served as follows: "Radiophonikos Stathmos Macedonias" (for Thessaloniki). "R. S. Voriodhytikis Elladhos" (for Corfu). "R. S. Thrakis" (for Comotini). "R. S. Dhodhekanissou" (for Rhodos). "R. S. Kritis" (for Chania). Stations Volos, Patras, Amalias are announced "R. S. Volou, Patron, Amaliadhos" individually.

**STATION-SIG:** Used by all mw-st's of NBI: "Tsopanakos imouna" (Once I was a shepherd boy), a folk song played on native flute and sheep bells



**INT-SIG:** "Musical Box" played on vibraphone.
**V.** by QSL-card or letter. Rp. preferred. Recordings accepted — **PUB:** "Radioproghramma" (weekly in Greek) — **F.PL:** Two 100kW sw-tr's+FM netw. — **FI:** By licence payments and adv.

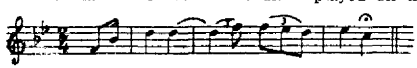
**FOREIGN SERVICE:** Athens — 7.5/5kW (G.C: 23.42E/38.02N): 7295kHz 41.12m — 11720kHz 25.60m — 17745kHz 16.90m 9605kHz 31.20m — 15345kHz 19.55m
**Schedule:**
I=Cyprus; II=Egypt; III=Turkey/Balkans; IV=No. Western Europe; V=Mediterranean.

| Times | Area | kHz 5/11-3/3 | kHz 3/3-5/5 | N(Greek) |
|---|---|---|---|---|
| 07.00-08.15 (W) | I | 9605/11720 | 9605/11720 | 07.00 |
| 05.50-08.15 (Sun) | I | 9605/11720 | 9605/11720 | |
| 09.00-10.00* | II | 9605/11720 | 9605/11720 | |
| 10.30-13.00 | I | 9605/11720 | 9605/11720 | 11.00, 12.30 |
| 13.30-15.15 | III | 7295/11720 | 9605/11720 | 13.30 |
| 16.30-17.00 | I | 7295/9605 | 9605/11720 | 16.30 |
| 17.30-18.00 | IV | 11720/15345 | 15345/17745 | 17.30 |
| 18.30-19.00 | I | 7295/9605 | 9605/11720 | 18.30 |
| 19.30-21.00 | IV | 9605/11720 | 15345/17745 | 19.30 |
| 22.00-22.30 | V | 9605/11720 | 11720/15345 | 22.00 |
| 23.00-23.30 | V | 9605/11720 | 11720/15345 | 23.00 |

*) not Mon. — The above freq's are subject to changes.
**N. in English:** 07.10 (W), 13.40, 18.32, 19.45, 22.02, 23.02.
**N. in French:** 07.15 (W), 13.45, 18.34, 19.47, 22.04, 23.04 — **Wrp:** Greek: 07.08 (W); English 07.09 (W), 13.44; French 07.14 (W), 13.49 — **N in other languages:** Turkish 14.20, Serbian 14.30, Albanian 14.40, Rumanian 14.50, Bulgarian 15.00 — **Messages to Greek workers in No. We. Europe:** Tues, Fri 20.30-20.45.
**ANN:** Gr: "Ethnikon Idhryma Radiophonias. Edho Radiophonikos Stathmos Athinon Vracheon Kymaton" — **INT-SIG:** See Home Sce — **V.** by QSL-card. Recorded re. preferred.

### FORCES BROADCASTING STATION (Greek)

**ATHENS (Central)**
**ADDR:** Radhiostathmos Enoplon Dhynameon, 136-Messoghion St, Athens. **Te:** 662929.
**STATIONS:** 1142kHz 262.7m 20kW — 6045kHz 49.63m 5kW.
**HOME SCE:** D 04.30-23.00 (Su: W 04.00-13.30, 15.00-23.00 (Sat 01.00); Sun 04.00-23.00) — **N:** 04.45 (Su 04.15) (W), 05.00 (Sun), 06.45 (W)*, 08.00, 08.05 (Sun)*, 12.00, 17.00, 19.00, 19.20**, 21.00, 21.15*, 22.55 — * English and French — ** Newsreel — **Wrp:** W 04.58 (Su 04.28), 06.55*, 21.13, 21.23 (English); Sun 05.13, 08.13*, 21.13, 21.23 (English).
**ANN:** "Edhó Athinai, Kendrikós Radhiophonikós Stathmós Enóplon Dhynámeon Helládhos" (This is Athens, the Central R. St. of the Greek Armed Forces) — **STATION-SIG:** The main motif from the march "Greece never dies" played on trumpets



**V.** by letter. Recordings accepted.

| Stations: | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Florina | 1313 | 228.4 | 1 | Larissa | **5955** | 50.38 | 0.4 |
| Joannina | **7155** | 41.92 | 0.25 | Serrae | **7161** | 41.90 | 1 |
| Kavalla | 1355 | 221.3 | 1 | Thessaloniki | 1160 | 256.6 | 10 |
| Kozani | **7215** | 41.58 | 0.5 | Tripolis | **6003** | 49.97 | 0.25 |
| Larissa | 944 | 318.0 | 5 | | | | |

**G.C:** Tripolis 22.23E/37.35N; Larissa 22.25E/39.32N; Joannina 20.49E/39.40N; Serrai 23.35E/41.08N; Kozani 21.48E/40.20N.
**D.PRGR:** W 05.00-07.00, 10.00-13.00, 15.00-21.00. Sun 05.00-13.00, 15.00-21.00 (times are approx) — **FI:** By adv. only.

### VOICE OF AMERICA RADIO STATION AT RHODES

**ADDR:** Voice of America, Washington, D.C. 20547, U.S.A.
**STATIONS: Medium Wave:** Rhodes A 1259kHz 238m 150kW: 03.00-07.30, 14.00-22.45 (Sun 23.00).
03.00-03.30 **English,** 03.30-06.00 Arabic, 06.00-07.30 **English,** 14.00-16.30 **English,** 16.30-21.30 Arabic, 21.30-22.45 (Sun 23.00) **English.**
**Short Waves:** Rhodes 50kW: (G.C: 28.10E/36.15N)

| kHz | m | | kHz | m | |
|---|---|---|---|---|---|
| 6015 | 49.88 | 03.30-06.00, 16.00-21.30 | 7295 | 41.12 | 16.00-21.30 |
| | | | 15160 | 19.79 | 14.00-15.30 |
| 7130 | 42.08 | 03.30-06.00 | | | |

**ANN:** "You are listening to the Voice of America from Rhodes" — **INT-SIG:** Variation of Columbia, the Gem of the Ocean" — **V.** by QSL-card.

### VOICE OF AMERICA RADIO STATION AT THESSALONIKI

**ADDR:** Voice of America, Washington, D.C. 20547, U.S.A.
**STATIONS: Medium Wave:** Thessaloniki-A 791kHz 379.2m 50kW: 04.30-06.30 (Sun 10.15), 10.15-22.30 — **Short Wave:** Thessaloniki 35kW (G.C: 22.57E/40.31N): 11.00-23.30 (Sun 22.45).

| kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|
| 5995 | 50.04 | 7255 | 41.35 | 9660 | 31.06 |
| 7205 | 41.65 | 9540 | 31.45 | 9710 | 30.90 |

**Medium Wave:** 04.30-17.00 Greek (NBI), 17.00-17.30 Greek, 17.30-18.30 Rumanian, 18.30-19.30 Serbo-Croat, 19.30-20.00 Albanian, 20.00-20.30 Greek (NBI), 20.30-21.30 Bulgarian, 21.30-22.30 Greek (NBI) — **Short Wave:** See U.S.A.
**ANN:** "You are listening to the Voice of America from Thessaloniki" — **INT-SIG:** Variations of Colombia, the Gem of the Ocean" — **V.** by QSL-card.

ARMED FORCES RADIO & TV SCE: see U.S.A.

## HOLLAND

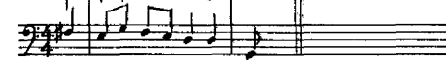
**L.T:** GMT+1 h — **Pr.L:** Dutch.

### NEDERLANDSCHE RADIO UNIE

**ADDR:** P.O. Box 150, Hilversum. **Cable:** Radiounie. **Te:** 48506. **Telex:** 14470 — **HOME SCE:** Acting for the following broadcasting societies.
**A.V.K.O:** Algemeene Vereniging Radio-Omroep, Head Office Amsterdam, Keizergracht 107. Studios: Hilversum, 's-Gravelandseweg 52. **L.P:** Chmn: Dr. L. H. Slotemaker. Dir. Sound: J. M. van Overvest. Dir. TV: S. van der Zee. Adm. Dir: J. C. Bongenaar.
**K.R.O:** Katholieke Radio-Omroep: Head-Office: Amsterdam, Keizersgracht 151. Studios: Hilversum, Emmastraat 52 — **L.P:** Chmn: Dr. H. W. van Doorn. Secr: Dr. L. J. N. van der Hulst. Treasurer: Th. Loerakker. Man. Dir: Drs. A. J. J. v. d. Made. Sub. Dir. Radio: J. A. Wagenaar. Sub. Dir. TV: J. J. A. Casteleyns.
**N.C.R.V:** Nederlandsche Christelijke Radio Vereeniging, Schuttersweg 8, Hilversum — **L.P:** Chmn: Dr. J. Ozinga. Secr: G. A. Kieft. Man. Dir. Radio & TV: Dr. A. H. v. d. Veen.
**T.R.O.S:** Televisie Radio Omroep Stichting, Herengracht 543, Amsterdam — **L.P:** Secr: Dr. H. J. Minderop. Head Radio & TV: Dr. L. M. Landrè.
**V.A.R.A:** Omroepvereeniging VARA, Heuvellan 33, Hilversum **L.P:** Chmn: J. B. Broeksz. Secr-Treasurer: J. Mulder. Prgr. Dir. Radio: J. de Troye. Dir. TV: J. W. Rengelink.
**V.P.R.O:** Vrijzinning Protestantse Radio-Omroep, 's-Gravelandseweg 65, Hilversum — **L.P:** Chmn: Ir. K. Kooy. Secr. Treasurer: Dr. R. Maris. Dir. Radio & TV: Dr. I. J. van Houte. Head Radio: D. Klompsma. Head TV: A. Kleywegt. Centraal addr. for Prgr. Publications: Centraal Bureau voor den Omroep in Nederland, Hilversum, P.O. Box 52 (for Radio & TV).
**BOARD OF THE NEDERLANDSCHE RADIO-UNIE:**
Chmn: Dr. A. B. Roosjen. Vice-Chmn: J. B. Broeksz. Secr: Drs. Ch. E. v. d. Ploeg. Prgr. Affairs: Dr. W. J. A. Wagenaar. Techn. Affairs: Dr. A. H. v. d. Veen. Personnel Affairs: K. de Wilde.
**STATIONS:** The studios are in Hilversum, but the tr's are located at Lopik (near Utrecht): Lopik I 746kHz 402.1m 120kW Lopik II 1007kHz 297.9m 120kW — Lopik III 1250kHz 240m 10kW.
**Relay stations** (I=relay Lopik I, II=relay Lopik II): Hengelo II 1594kHz 188.2m 2.5kW — Hulsberg II 1594kHz 188.2m 2.5kW — Hoogezand II 1594kHz 188.2m 2.5kW.
**FM:** (I=relay Lopik I, II=relay Lopik II, III=relay Lopik III)

| | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Goes I | 3 | 87.85 | 12 | Markelo III | 38 | 98.40 | 50 |
| Goes II | 27 | 95.0 | 12 | Roermond I | 4 | 88.2 | 100 |
| Goes III | 43 | 99.80 | 12 | Roermond II | 13 | 90.9 | 100 |
| Hulsberg I | 17 | 92.1 | 4 | Roermond III | 25 | 94.50 | 100 |
| Hulsberg II | 28 | 95.3 | 4 | Smilde I | 16 | 91.75 | 50 |
| Hulsberg III | 39 | 98.75 | 4 | Smilde II | 26 | 94.80 | 50 |
| Ijsselstein I | 19 | 92.6 | 50 | Hoogezand III | 35 | 97.45 | 15 |
| Ijsselstein II | 33 | 96.8 | 50 | Irnsum III | 5 | 88.6 | 15 |
| Ijsselstein III | 40 | 98.8 | 50 | Wieringen I | 2 | 87.7 | 10 |
| Markelo I | 15 | 91.4 | 50 | Wieringen II | 9 | 98.8 | 10 |
| Markelo II | 31 | 96.2 | 50 | Wieringen III | 17 | 92.2 | 10 |

**D.PRGR:** Hilversum I and II: W 06.00-23.00. Sun 07.00-23.00. Hilversum III: D 08.00-17.00.
**N:** Hilversum I: 06.00, 07.00, 10.00, 12.00, 15.00, 17.00, 18.30, 21.30, 22.55; Hilversum II: 06.00, 07.00, 10.00, 11.30, 15.00, 18.30, 21.30, 22.55; Hilversum III: 08.00, 09.00, 10.00, 11.00, 12.00 ,13.00, 14.00, 15.00, 16.00 — **Agricultural Inf.** (I+II): 11.27 — **Rlg. Prgr's:** (Sun) 08.00 and 15.00 (I), 16.30 (II).
**ANN:** "Hier is de AVRO". "Hier is de KRO" etc — **V.** by QSL folder. **INT-SIG:** Three first bars from the National Anthem "Wilhelmus van Nassau"



**Regional Broadcasts**

### REGIONALE OMROEP NOORD EN OOST (RONO)

**Addr:** RONO, Prinsenhof, Martinikerhof 23, Groningen.

| Stations: | kHz | m | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Hoogezand | 1594 | 188.2 | 2.5 | Markelo | 38 | 98.4 | 50 |
| Hengelo | 1594 | 188.2 | 2.5 | Irnsum | 5 | 88.6 | 15 |
| | | | | Hoogezand | 35 | 97.45 | 15 |

Hoogezand II 1594 188.2 2.5
**D.Prgr:** Mon, Wed, Thurs, Fri 17.30-18.30; Tues, Sat 17.30-19.00; Sun 17.30-18.45.

# Holland

**REGIONALE OMROEP ZUID (ROZ)**
**Addr:** ROZ, Van Hasseltkade 20, Maastricht.
**Stations:** Hulsberg 1594kHz 188.2m 2.5kW — Hulsberg ch39 98.75MHz 4kW — Roermond ch25 94.5MHz 100kW — **D.Prgr:** 18.00-19.00 — **ALF:** Dfl. 18,-.

**RADIO NEDERLAND WERELDOMROEP (non-com.)**
**ADDR:** R. Nederland, P.O. Box 222, Hilversum, Holland. Office: Witte Kruislaan 55, Hilversum. **Te:** 16151. **Cable:** Mundivox — **L.P:** Dir-Gen: L. F. Tijmstra. Dep. Dir. Gen: C. J. Strop. Dir's: Prgr. Sce: J. W. Acda, N.Sce: J. Folkertsma. Centr. Prod. Sce: H. J. P. J. van Eijndhoven. Transcription Sce: (vacancy). Dir. Tec: V. J. de Grijs. Producer "Happy Station" Prgr: Edward Startz.
**STATION:** Lopik WO1 50kW; WO2/3/4 100kW; WO5 10kW (G.C: 05.02E/52.01N).

| kHz | m | kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|---|---|
| 5980 | 50.17 | 9525 | 31.50 | 11780 | 25.47 | 15220 | 19.71 | 17880 | 16.78 |
| 5985 | 50.13 | 9590 | 31.28 | 11800 | 25.42 | 15320 | 19.58 | 21480 | 13.97 |
| 6005 | 49.96 | 9630 | 31.15 | 11820 | 25.38 | 15340 | 19.56 | 21505 | 13.95 |
| 6020 | 49.83 | 9715 | 30.88 | 11930 | 25.15 | 15425 | 19.45 | 21565 | 13.91 |
| 6025 | 49.79 | 9730 | 30.83 | 11945 | 25.12 | 15445 | 19.42 | 21570 | 13.91 |
| 6035 | 49.71 | 9745 | 30.79 | 11950 | 25.10 | 17765 | 16.89 | 21625 | 13.87 |
| 6085 | 49.30 | 9755 | 30.75 | 11955 | 25.09 | 17810 | 16.84 | 21665 | 13.85 |
| 7110 | 42.19 | 11710 | 25.62 | 11960 | 25.08 | 17815 | 16.84 | 21715 | 13.82 |
| 7165 | 41.87 | 11730 | 25.58 | 11970 | 25.06 | 17830 | 16.83 | 25610 | 11.71 |
| 7210 | 41.61 | 11755 | 25.52 | 15180 | 19.76 | 17840 | 16.82 | 26040 | 11.52 |

**RELAY STATION:** Bonaire, Neth. Antilles: mw 525kW; sw 260kW (G.C: 68.17W/12.09N) 800kHz 375m, 9590kHz 31.28m, 15220kHz 19.71m.

**OPERATION SCHEDULE:** I=So. Africa/Eur; II=Middle East; III=No. Africa; IV=Greater Caribbean Area; V=West-Indies; VI=No. America; VII=New Zealand; VIII=Australia; IX=Africa/Europe; X=Asia/Australia; XI=M. East/Europe; XII=So. Asia; XIII=So. Asia/Europe; XIV=We. Africa; XV=So. America, (So.); XVI=So. America (No.); XVII=Europe; XVIII=C. America/Mexico; XIX=Spain/No. Africa/Europe; XX=Africa; XXI=So. America/Spain/No. Africa; XXII=So.+C. America.

| Language | Areas | kHz (Antenna/Beam) |
|---|---|---|
| **Afrikaans** | | **Nov.-March** |
| 16.00-16.50(W) | I | 21570(R162°), 11730(G158°), 6020(nd) |
| **Arabic** | | |
| 14.30-15.50(D) | II | 21570(R123°), 11730(G120°) |
| 17.30-18.50(D) | III | 9715(G163°), 9590(R205°) |
| **Dutch** | | |
| 01.10-01.30(D) | IV | 800(nd) Bonaire |
| 02.30-03.50(D) | VI | 9590(C335°) Bonaire |
| 06.00-07.20(Sun) | VII | 11730(G235°), 9525(G235°) |
| 06.00-07.20(W) | VII | 11730(G235°), 9715(R230°), 9525(G235°) |
| 08.30-09.50(Sun) | VIII | 11730(G255°), 9715(G262°) |
| 08.30-09.50(W) | VIII | 15180(250°),11730 (G255°), 9715(G262°) |
| 09.00-10.20(Sun) | IX | 21480(R162°), 15180(G158°), 6020(nd) |
| 10.00-11.20(Sun) | X | 21570(R81°), 15425(G82°) |
| 11.30-11.50(W) | XI | 21480(R123°), 11730(G120°), 6020(nd) |
| 11.30-12.50(D) | XII | 21570(R81°), 15425(G82°) |
| 13.00-14.20(D) | XIII | 21570(R81°), 15425(G95°), 6020(nd) |
| 16.30-16.50(Sun) | V | 21505(R261°), 21480(R263°) |
| 17.30-18.50(D) | IX | 21570(R162°), 11730(G158°), 6020(nd) |
| 19.00-19.20(Sun) | V | 21570(R261°), 17810(G265°) |
| 20.00-21.20(D) | XIV | 15220(C87°) Bonaire |
| 20.30-21.50(Sun) | VI | 15425(G290°), 11730(G303°) |
| 22.00-23.20(D) | XVI | 15425(G235°), 11730(G235°) |
| 23.30-01.00(Sun) | V | 11730(G272°), 9715 (G262°), 9590(G272°), 6085(G260°), 6020(nd) |
| 23.30-01.20(W) | V | 11730(G272°), 9590(G272°), 6020(nd) |
| **English** | | |
| 00.20-01.10(W) | IV | 800(nd) Bonaire |
| 01.30-02.20(D) | VI | 9590(C335°) Bonaire |
| 07.30-08.20(W) | VII/VIII | 11730(G255°), 9715(R230°), 9525(G255°) |
| 14.30-15.20(W) | XIII | 21480(R83°), 17810(G85°), 6020(nd) |
| 14.30-14.45(+) | VI | 17880(R298°) |
| 15.30-15.45(+) | VI | 21480(R303°), 17810(R298°) |
| 17.00-17.15(+) | VI | 21570(R303°), 11730(G303°) |
| 19.00-19.50(W) | IX | 11730(G158°), 9590(G163°) |
| 20.00-20.50(W) | XVII | 11730(R303°), 6020(R263°) |
| 20.35-20.50(+) | VI | 17840(R298°), 15340(G290°) |
| 21.00-21.50(W) | VI | 15425(G290°), 11730(G303°) |
| 21.30-22.20(D) | XIV | 15220(C87°) Bonaire |
| **Indonesian** | **Areas** | **kHz (Antenna/Beam)** |
| 12.00-13.00(D) | XIII | 21480(R55°), 17810(G55°), 6020(nd) |
| 13.15-14.15(D) | XII | 21480(R83°), 17810(G85°) |
| **Spanish** | | |
| 00.30-01.20(W) | XVI | 9715(G262°), 6085(G260°) |
| 04.00-04.50(D) | XVIII | 9590(C285°) Bonaire |
| 16.00-16.15(+) | XV | 21480(R230°), 17810(G235°) |
| 17.05-17.20(+) | XVI | 21480(R263°), 21505(R261°) |
| 19.45-20.00(+) | XVI | 21570(R261°), 17810(G265°) |
| 20.10-20.25(+) | XV | 17840(G235°), 15340(G235°) |
| 21.30-22.20(W) | XIX | 9715(G195°), 6020(G195°) |
| 22.30-22.45(+) | XV | 15340(R235°), 9715(R230°) |
| 22.30-23.20(D) | XV | 15220(C170°) Bonaire |
| 23.30-00.20(W) | IV | 800(nd) Bonaire |
| **News in various languages** | | |
| 16.30-17.20(W) | V | 21505(R261°), 21480(R263°) |
| 19.00-20.05(W) | V | 21570(R261°), 17810(G265°) |
| 21.00-21.20(W) | V | 17840(G265°), 15340(G265°) |
| 23.10-00.05(W) | V | 9715(G262°), 6085(G260°) |
| 01.30-02.00(W) | V | 11730(G272°), 9715(G262°), 6085(G260°) |
| **Happy Station (English version)** | | |
| 06.00-07.20(Sun) | VII | 9715(R235°), 6020(G235°) |
| 07.30-08.50(Sun) | VIII | 11945(G262°), 9525(G255°) |
| 10.30-11.50(Sun) | XVII | 11730(R303°), 9715(R263°), 6020(nd) |
| 14.30-15.50(Sun) | XIII | 21480(R83°), 17810(G85°), 6020(nd) |
| 16.00-17.20(Sun) | XX | 21570(R162°), 11730(G158°), 6020(nd) |
| 19.00-20.20(Sun) | VI | 15425(G290°), 11730(G303°) |
| **Happy Station (Spanish Version)** | | |
| 20.30-21.50(Sun) | XXI | 15340(G235°), 6020(G195°) |
| 22.00-23.20(Sun) | XXII | 15340(G262°), 9715(G262°), 6020(nd) |
| **Happy Station (English/Spanish version)** | | |
| 23.30-01.10(Sun) | IV | 800(nd) Bonaire |
| **Dutch by Radio** (++) | | **March/April** |
| 05.30-05.45(Sun) | VII/VIII | 11730(G255°), 9715(R230°), 9525(G235°), 6020(G235°) |
| 07.30-07.45(Sun) | IX | 21570(R162°), 21480(R162°), 6020(nd) |
| 08.00-08.15(Sun) | XIII | 21570(R81°), 21480(R83°), 6020(nd) |
| 16.00-16.15(Sun) | XII | 21480(R162°), 17810(G85°), 6020(nd) |
| 17.00-17.15(Sun) | VI/XVII | 21505(R303°), 21480(R298°), 6020(nd) |

During March and April the schedule will be as above mentioned with the following alterations:
**Dutch:** 23.30-01.00 (Sun) to V on 15425 (G265°), 11730 (G272°), 9715 (G262°), 6085 (G260°) and 6020kHz(nd). **Spanish:** 20.10-20.25(+) to XV on 21570 (R235°), 21505kHz (R230°); 22.30-22.45(+) to XV on 15320 (R235°), 9715kHz (R230°) — **News in various languages:** 21.00-21.20 (W) on 21570 (R261°), 21505 kHz (R263°); 23.10-00.15(W) on 15320 (G265°), 9715kHz (G 262°); 01.30-02.00(W) on 15425 (G265°), 11730 (G 272°), 9715 (G262°), 6085kHz (G260°).
G=Curtain antenna; R=Rhombic antenna; C=Corner reflector antenna; nd=omnidirectional antenna; +=Tues and Fri only; ++=broadc. on Wed during English tr's and repeated on Sun as indicated.

**PROGRAMME SCHEDULE:**
**NATIONAL MUSIC: The Amsterdam Concertgebouw Orchestra:** In **Dutch:** Thurs 06.25, 08.55, 11.55, 13.25, 17.55, 20.25, 22.25, 23.55, 02.55. **Indonesian:** Sun 12.10, 13.25.
**Other Prgr. of Dutch music: Afrikaans** Mon 16.15. **Arabic** Tues 15.35, 18.35, Wed 14.48, 17.48, Thurs 14.47, 17.47; **English** Sun 21.30, 01.30. **Spanish** Sun 22.30, 04.00, Thurs 22.45, 00.45, 04.15.
**NEWS, COMM: Afrikaans:** W 16.00. **Arabic:** D 15.00, 18.00. **Dutch:** D 06.00, 08.30, 11.30, 13.00, 16.30, 17.30, 20.00, 22.00, 23.30, 01.10, 02.30. **English:** W 07.30, 14.30, 19.00, 20.00, 21.00, 21.30, 00.20, 01.30. **Indonesian:** D 12.00, 13.15. **Spanish:** W 21.30, 22.30, 23.30, 00.30, 01.30, 04.00.
**Listener Request Prgr: Afrikaans:** Sat 16.10. **Arabic:** Sun 15.10, 18.10, Fri 15.10, 18.10. **Dutch:** Tues 06.25, 08.55, 11.55, 13.25, 17.55, 20.25, 22.25, 23.55, 02.55. **English:** Tues 07.42, 14.42, 19.12, 20.12, 21.12, 21.42, 01.42. **Indonesian:** 2nd, 4th and 5th Tues 12.23, 13.38, Sat 12.22, 13.37. **Spanish:** Mon, Fri 22.40, 23.40, 00.40, 04.10, Fri 21.40.
**DX-PROGRAMMES: English:** Thurs 07.42, 14.42, 19.12, 20.12, 21.12, 21.42, Fri 01.42.
**MAILBAG: Afrikaans:** Wed 16.15. **Arabic:** Sun 15.10, 18.10, Fri 15.10, 18.10. **Dutch:** Sat 06.20, 08.50, 11.50, 13.20, 17.50, 20.20, 22.20, 23.50, 02.50. **English:** 2nd Fri 08.03, 15.03, 19.33, 20.33, 21.33, 22.03, 00.53, 02.03. **Indonesian:** Sun 12.35, 13.50. **Spanish:** Mon, Fri 22.40, 23.40, 00.40, 04.10, Fri 21.40.

DUTCH WORLD BROADCASTING SYSTEM

# RADIO NEDERLAND

P.O. BOX 222 - HILVERSUM - HOLLAND

Brightening the air daily in
AFRIKAANS, ARABIC, DUTCH, ENGLISH,
INDONESIAN, SPANISH.
Programme schedules for planned listening -
and good reading - free on request.

Keeping the world in touch
with the Dutch on Sundays:
THE HAPPY STATION
with shortwave pioneer Edward Startz.

Covering (almost) everything
in radio for local broadcasting
by other stations:
TRANSCRIPTION SERVICE.

TUNE IN TO HOLLAND, THE GO-AHEAD COUNTRY WITH THE WAY-AHEAD STATION!

**LANGUAGE COURSES: Dutch by Radio** (As of March) broadc. on Wed and repeated on Sun. Write for full details and free textbook.
**Holandés por Radio:** This course will start again in May, 1968.
**PRODUCTION "HAPPY STATION":** The Happy Station Sun prgrs 6 in English and 2 in Spanish and Portuguese on sw, 1 in Spanish, Portuguese and English on MW. Producer Edward Startz, on the air for nearly 40 years, brings a wide range of music for all tastes, short features, descriptive commentaries and education quizzes. Each tr carries a mailbag, calling to all parts of the world. The "Happy Station" prgrs every Sun (for freq's see operation schedule).
**F.Pl:** Own relay station at Bonaire, Neth Antilles: 2 x 300kW sw-tr's will be completed about beginning of 1969.
**RELAY SERVICE:** twice weekly news-behind-the-news prgr. from correspondents in European capitals for stations in U.S, Canada and Latin-America.
**ANN:** Dutch: "Hier is R. Nederland Wereldomroep in Hilversum". English: "This is R. Nederland, the Dutch World Broadcasting System". Indonesian: "Disini Hilversum Siaran Indonesia R. Nederland". Spanish: "Aqui R. Nederland, Hilversum, Holanda". Arabic: "Idha'atu l' holanda 'l Arabiya fi Hilversum". Afrikaans: "Dit is R. Nederland Wereldomroep in Hilversum, Holland".
**GENERAL INT-SIG:** Old Dutch folk song called: "Merk toch hoe sterck", played on carrillon or celeste — **V.** by QSL-card.

**PUB:** Prgr. sched. in Dutch, English, Spanish, Arabic, Afrikaans, Indonesian. A booklet on sw aerial construction in Dutch, English, Spanish, Indonesian and Arabic. A diagram for building a sw converter in Dutch and English. Some useful hints on sw reception in English and Spanish. Also in English diagrams for building a BFO, aerial filter and crystal calibrator. Monthly frequency predictions. All the pub. are sent free of charge on application.
**TRANSCRIPTION SERVICE:** a free sce. to foreign stns issues complete prgrs about Holland and Dutch life both informative and musical, and adapted to suit the requirements of the areas served.
**FI:** By licence payments.

**RADIO BLOEMENDAAL (Rlg.)**
(Operated by Reformed church of Bloemendaal) — **ADDR:** P.O. Box 26, Bloemendaal — **STATION:** 1223kHz 245.3m 0.05kW. **D.PRGR:** Sun and Christian Holidays: 08.00-12.00, 14.15-16.00 (Rlgs. services only) — **V.** by QSL-card.

## HUNGARY

**L.T:** GMT+1 h — **Pr.L:** Hungarian.

**MAGYAR RADIO ES TELEVIZIO (Gov.)**
**ADDR:** Brody Sandor-S.U. 5-7, Budapest VIII. **Cable:** Magyarrádió. **Te:** 338-339. **Telex:** 6-67 — **L.P:** Pres. & Gen. Mgr: I. Tömpe. Vice Pres: Dr. I. Hárs, Dr. K. Kiss. Dir. Adm: G. Mike. Dir. Tec: R. Kerpel. Dir. For. Rel: G. Lénárt.

| HOME SCE: | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Kossuth, Budapest[1] | 539 | 556.5 | 135 | Szombathely[2] | 1340 | 223.8 | 25 |
| Petöfi II | | | | Pécs[2] | 1340 | 223.8 | 25 |
| Budapest[2] | 872 | 344.0 | 36 | Györ[2] | 1349 | 223.3 | 0.4 |
| Petöfi I | | | | Szolnok[2] | 1349 | 223.3 | 0.4 |
| Szolnok[2] | 1187 | 252.7 | 135 | Miskolc[2] | 1594 | 188.2 | 15 |
| Balatonszabadi | 1250 | 240 | 135 | Magyaróvár[2] | 1594 | 188.2 | 0.4 |
| Nyiregyháza[2] | 1340 | 223.8 | 25 | Balatons-zabadi[2] | 1594 | 188.2 | 15 |

1) W: 03.30-00.30, Sun: 05.00-00.30 — 2) W: 04.00-07.10, 13.00-22.15, Sun: 05.30-22.15. Reg st's: rel. R. Petöfi exc. for reg. prgr's at 18.00-19.00 (Pécs 17.00-20.00, Györ 19.00-20.00, Sun also 09.00-10.00).
**R. Kossuth: N,Wrp:** W: 03.30, 04.30, 06.00, 09.00, 11.00, 14.00, 16.00, 19.00, 21.00, 23.00. Sun: 05.00, 07.00, 11.00, 16.00, 19.00, 21.00, 23.00.
**R.Petöfi: N:** W: 05.00, 07.00, 15.00, 17.00, 18.00, 20.00, 22.00. Sun: 22.00. **FM:** Budapest 66.62MHz 2kW — Pécs 69.02MHz, 2kW: 17.00-21.00.
**German** (for German Minority): D 17.30-18.00 on 1340kHz (Pécs).
**ANN:** "Kossuth Radio, Budapest — Petöfi Radio, Budapest".

**FOREIGN SERVICE**
**STATIONS** (G.C: 18.24E/47.10N) 5/15/100/135kW.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 539 | 556.5 | 6234 | 48.10 | 9833 | 30.51 | 17890 | 16.77 |
| 1250 | 240.0 | 7100 | 42.25 | 11910 | 25.19 | 21665 | 13.85 |
| 3995 | 75.09 | 7220 | 41.55 | 15160 | 19.79 | 21685 | 13.83 |
| 5902 | 50.83 | 9755 | 30.75 | 17795 | 16.86 | | |

**TO EUROPE Schedule 5/11/67-3/3/68**

| English | kHz |
|---|---|
| 21.30-22.30 | 5902, 6234, 7100, 7220, 9833 |
| 23.30-24.00 | 539, 3995, 6234, 7100 |
| **Esperanto** | |
| 19.30-19.45 | 1250, 3995, 6234, 5902, 7100, 7220, 9833, 17795, 17890 |
| **German** | |
| 17.00-18.00 | (to Austria) 1250 |
| 17.30-18.00 | 6234, 7100, 7220, 9833, 11910, 17795, 17890, 21665, 21685 |
| 19.45-20.00 | 1250, 3995, 5902, 6234, 7100, 7220, 9833, 17795, 17890 |
| 09.00-10.00* | 1250, 6234, 7100, 9755 |
| 13.30-14.00* | 1250, 6234, 7100, 9755, 9833, 11910, 15160, 17795, 17890, 21665, 21685 |
| 13.30-14.00*** | 6234, 7100, 9755, 9833, 11910, 15160, 17795, 17890, 21665, 21685 |
| 13.10-14.00** | 1250, 6234, 7100, 9755, 9833, 11910, 15160, 17795, 17890, 21665, 21685 |
| 23.00-23.30** | 1250, 3995, 6234 |
| **Greek** | |
| 11.45-12.00(W) | 7100, 9755, 9833, 11910, 15160, 17795, 17890, 21665, 21685 |
| 17.00-17.30 | 6234, 7100, 7220, 9833, 11910, 17795, 17890, 21665, 21685 |
| 20.00-20.15 | 1250, 3995, 5902, 6234, 7100, 7220, 9833, 17795, 17890 |
| 08.00-08.45* | 6234, 7100, 9755, 9833, 11910 |
| 12.00-13.00* | 6234, 7100, 9755, 9833, 11910, 17795, 17890, 21665, 21685 |
| 15.00-16.00** | 7100, 9755, 9833, 11910, 15160, 17795, 17890, 21665, 21685 |
| **Hungarian** | |
| 19.00-19.30 | 1250, 5902, 7100, 7220, 9833, 17795, 17890, 21665, 21685 |
| 20.30-21.30 | 1250, 3995, 5902, 6234, 7100, 7220, 9833, 17795, 17890 |
| 14.00-16.00* | 1250, 6234, 7100, 9755, 9833, 11910, 15160, 17795, 17890, 21665, 21685 |
| 05.00-05.15a | 3995, 6234, 7220, 9755, 11910, 17795, 17890, 21665, 21685 |
| 11.00-11.15a(W) | 9755, 9833, 11910, 15160, 17795, 17890, 21665, 21685 |
| **Italian** | |
| 11.30-11.45(W) | 7100, 9755, 9833, 11910, 15160, 17795, 17890, 21665, 21685 |
| 18.00-18.30 | 1250, 6234, 7100, 7220, 9833, 11910, 17795, 17890, 21665, 21685 |
| 20.15-20.30 | 1250, 3995, 5902, 6234, 7220 |
| 13.00-13.30* | 6234, 7100, 9755, 9833, 11910, 15160, 17795, 17890, 21665, 21685 |
| **Spanish** | |
| 18.30-19.00 | 7220, 9833 |
| 20.15-20.30 | 7100, 9833 |
| 21.30-22.00 | 9833 |

**TO NEAR EAST:**

| Turkish | kHz |
|---|---|
| 16.30-17.00 | 1250, 6234, 7100, 7220, 9833, 11910, 17795, 17890, 21665, 21685 |
| 18.30-19.00 | 1250, 5902, 6234, 9833 |
| 10.00-12.00* | 9755, 9833, 11910, 15160, 17795, 17890, 21665, 21685 |

**TO FAR EAST:**

| English | kHz |
|---|---|
| 08.00-08.15(Wed) | 11910, 15160, 17795 |
| 10.15-10.30(Fri) | 11910, 15160, 17795 |

**TO NORTH AMERICA:**

| English | kHz |
|---|---|
| 00.30-01.30 | 6234, 7220, 9833, 11910 |
| 03.00-04.00 | 6234, 7220, 9833, 11910 |
| 04.30-05.00 | 6234, 7220, 9833, 11910 |
| **Hungarian** | |
| 00.00-00.30 | 6234, 7100, 9833, 11910 |
| 02.00-03.00 | 6234, 7100, 9833, 11910 |
| 04.00-04.30 | 6234, 7100, 9833, 11910 |

**TO LATIN AMERICA:**

| Hungarian | kHz |
|---|---|
| 23.00-23.30 | 7100, 9833, 11910 |
| **Spanish** | |
| 23.30-24.00 | 7100, 9833, 11910 |
| 01.30-02.00 | 6234, 7100, 9833 |

*) Sun only; **) Sat only; ***) Wed only — a) Home News (from R. Kossuth).
**DX-PRGR: English:** Tues, Sat 21.30; Wed, Sun 00.30, 03.00; Wed 08.00. **German:** Wed (twice monthly) 13.30 (repeated Sat 23.00); 2nd and 4th Fri 17.00 (to Austria). **Italian:** 2nd and 4th Thurs 20.15.
**ANN:** E: "This is Budapest, Hungary".
**INT-SIG:** R. Kossuth: Played on 3 clarinets and 1 bass clarinet. R. Petöfi: 3 flutes, 2 violins, 1 cello, 1 doublebass. Foreign Sce:

# Radio Budapest

NEWS — VIEWS — DEBATE — ABOUT LIFE IN HUNGARY
AND INTERNATIONAL AFFAIRS

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**Special programmes for Radio Enthusiasts!**

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DX-programmes in English, German and Italian

**In English:**

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To North America — every Tuesday and Saturday — 7.30-8.30 pm EST and 10-11 pm EST

To Far East, Asia, Australia, New Zealand and Oceania — every Wednesday — 8.00 am GMT — every Friday — 10.15 am GMT

**In German:**

To Europe — twice a month on Wednesday — 13.30 GMT and repeated on Saturday — 23.00 GMT

To Austria — every second and fourth Friday — 17.00 GMT

**In Italian:**

To Europe — every second and fourth Thursday — 20.15 GMT

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Around the world — Fresh DX-news — Tips for DX-ers on Broadcast and Ham Bands — DX-peditions — Histories of DX-organisations — Stories about DX-ers — News of the RBSWC — Wave propagation forecasts — DX contests

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**RADIO BUDAPEST, HUNGARY**

Excerpts from the Suite "1848" by T. K. Polgar (3 trumpets, 2 cornets).
**V.** by QSL-card, Recordings accepted — **ALF:** Forints 120,-.

## ICELAND

**L.T:** GMT+1 h (Su.=GMT) — **Pr.L:** Icelandic.

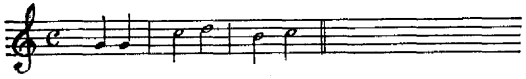
**ICELAND STATE BROADCAST SERVICE — RIKISUTVARPID (Gov.)**

**ADDR:** P.O. Box 120, Reykjavik. **Cable:** Utvarp — **L.P:** Dir. Prgr. Council: B. Groendal. Dir. Gen: V. Th. Gislason. Dir. Adm: G. Vagnsson. Dir. Sound Radio: G. Jónsson. Dir. N: J. Magnusson.
**HOME SCE:** Mon-Fri 08.00-11.00, 13.00-00.30. Sat. 08.00-11.00, 13.00-01.00. Sun 09.30-00.30.

| STATIONS: | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Reykjavik | 209 1435 | | 100 | Siglufjördur | 1412 | 212.4 | 0.02 |
| Eidar | 209 1435 | | 20 | Raufarhöfn | 1484 | 202.2 | 0.02 |
| Höfn | 665 | 451.2 | 5 | Skúlagardur i | | | |
| Akureyri | 737 | 407.1 | 5 | Kelduhverfi | 1484 | 202.2 | 0.02 |
| Alftafjördur | 1133 | 264.8 | 0.02 | Hellissandur | 1489 | 201.4 | 0.02 |
| Lón | 1412 | 212.4 | 0.02 | Tórshöfn | 1510 | 198.5 | 0.02 |
| Djúpivogur | 1412 | 212.4 | 0.02 | Kópasker | 1510 | 198.5 | 0.02 |
| Húsavik | 1412 | 212.4 | 0.02 | | | | |

| F.M. | MHz | kW | | MHz | kW |
|---|---|---|---|---|---|
| Reykjavik | 98 | 0.6 | Raufarhöfn | 91 | 0.03 |
| Reykjavik | 94 | 0.03 | Vik | 98 | 0.005 |
| Vestmannaeyjar | 89.1 | 0.2 | Skagafjördur | 91.5 | 0.2 |
| Neskaupstadur | 91 | 0.03 | | | |

**N:** W 09.30, 13.30, 16.00, 17.00, 20.00, 23.00. Sun 09.55, 13.30, 20.00, 23.00 — **ANN:** "Utvarp Reykjavik" — **V.** by QSL-card. **Rp.** — **ALF:** Kr. 620,-. **INT-SIG:** Home Service.



**ARMED FORCES RADIO & TV SCE:** see U.S.A.

## IRELAND

**L.T:** GMT (Su: GMT−1 h) — **Pr.L:** Irish, English.

**RADIO TELEFIS EIREANN (Statutory Corporation)**

**ADDR:** Henry St, Dublin 1. **Te:** 42981. **Telex:** 5268. **Cable:** Broadcasting — **L.P:** Chmn: Dr. C. S. Andrews; Dir. Gen: K. C. McCourt. Contr. of Prgrs (Radio): R. O. Faracháin. Dir. of Eng: T. P. Hardiman. Head of N: J. P. McGuinness. Adv. Sales Contr: R. K. Gahan.
**STATIONS:** Athlone 566kHz 530m 100kW — Dublin 1250kHz 240m 10kW — Cork 1250kHz 240m 10kW.
**FM:** Kippure 95.3MHz 50kW — Truskmore 89.7MHz 100kW — Maghera 94.1MHz 100kW — Mullaghanish 93.5MHz 100kW — Mt. Leinster 94.9MHz 100kW.
**HOME SCE:** W 08.00-15.00, 17.00-23.35. Sun 10.15-23.45.
**N: English:** 08.00 (W), 09.00 (W), 10.15 (Sun), 13.30, 15.00 (W), 18.30, 22.00 (Sun), 22.15 (W), 23.30 (W), 23.40 (Sun). **Irish:** 18.01, 22.00 (W) —
**Wrp: English:** 08.10 (W), 09.10 (W), 10.15 (Sun), 13.30, 17.55, 18.30, 22.00 (Sun), 22.15 (W), 23.30 (W), 23.40 (Sun) — **Irish Music:** 11.15-11.45 (W), 22.30-23.00 (Sat) — **ANN:** "R. Telefis Eireann" — **INT-SIG:** Celeste and Harp playing 4 bars of Irish air "O'Donnell Abu" — **V.** by letter — **PUB:** RTE Guide — **FI:** By licence payments and adv — **AD:** 33 h per week — **ALF:** £1-5-0.

## ITALY

**L.T:** GMT+1 h (Su: GMT+2 h) — **Pr.L:** Italian.

**RAI — RADIOTELEVISIONE ITALIANA**
(State Service by public act to RAI).
**ADDR:** Viale Mazzini 14, Roma. **Te:** 38781. **Cable:** Raidirro. **Telex:** 61142 — **L.P:** Pres: P. Quaroni. Vice Pres: Dr. L. Paolicchi; I. De Feo. Man. Dir: Dr. G. Granzotto. Dir. Gen: Dr. E. Bernabei. Vice Dir. Gen: Dr. M. Bernardi. Dir. For Rel: Dr. G. Zaffrani. Dir. Adm: Dr. B. Vasari. Dir. Prgr: Dr. L. Piccioni. Dir. Radio & TV Inf. Sce's: Dr. A. Manusardi. Dir. Tec: Eng. G. Castelnuovo. Co. Dir: Eng. E. Cristofaro. Dir. Gen. Aff: Dr. A. Passante. Chief Pers: Dr. G. Bodo. Dir. "Radiocorriere": Dr. Ugo Zatterin.
**HOME SCE:** No Powers indicated owing to pending changes.

| MEDIUM WAVES | Nat. prgr. kHz | 2 prgr. kHz | 3 prgr. kHz |
|---|---|---|---|
| Aosta 1) | 1331 | 1115 | |
| Alessandria 1) | | 1448 | |
| Biella 1) | | 1448 | |
| Cueno 1) | | 1448 | |
| Torino 1) | 656 | 1448 | 1367 |
| Como 2) | | 1448 | |
| Milano 2) | 899 | 1034 | 1367 |
| Sondrio 2) | | 1448 | |
| Bolzano 3) | 656 | 1484 | 1594 |
| Bressanone 3) | | 1484 | 1594 |
| Brunico 3) | | 1448 | 1594 |
| Merano 3) | | 1448 | 1594 |
| Trento 3) | 1331 | 1448 | 1367 |
| Belluno 4 | | 1448 | |
| Cortina 4) | | 1448 | |
| Venezia 4) | 656 | 1034 | 1367 |
| Verona 4) | 1578 | 1448 | 1367 |
| Vicenza 4) | | 1484 | |
| Gorizia 5) | 1578 | 1484 | |
| Trieste 5) | 818 | 1115 | 1594 |
| Udine 5) | 1061 | 1448 | |
| Trieste A 5) (autonome in Slovene) | 980 | | |
| Genova 6) | 1331 | 1034 | 1367 |
| La Spezia 6) | 1578 | 1448 | |
| Savona 6) | | 1484 | |
| S. Reno 6) | | 1034 | |
| Bologna 7) | 566 | 1115 | 1367 |
| Rimini | | 1223 | |
| Arezzo 8) | | 1484 | |
| Carrara 8) | 1578 | | |
| Firenze 8) | 656 | 1448 | 1367 |
| Livorno 8) | 1061 | | 1594 |
| Pisa 8) | | 1115 | 1367 |
| Siena 8) | | 1448 | 1367 |
| Perugia 9) | 1578 | 1448 | |
| Terni 9) | 1578 | 1484 | |
| Ancona 10) | 1578 | 1448 | |
| Pesaro 10) | | 1313 | |
| Ascoli P. 10) | | 1448 | |
| Roma 11) | 1331 | 845 | 1367 |
| Aquila 12) | 1578 | 1484 | |
| Campob. 12) | 1578 | 1448 | |
| Pescara 12) | 1331 | 1034 | |
| Teramo 12) | | 1484 | |
| Avellino 13) | | 1484 | |
| Benevento 13) | | 1448 | |
| Napoli 13) | 656 | 1034 | 1367 |
| Salerno 13) | | 1448 | |
| Bari 14) | 1331 | 1115 | 1367 |
| Brindisi 14) | 1578 | 1484 | |
| Foggia 14) | 1578 | 1448 | |
| Lecce 14) | 1578 | 1448 | |
| Salento 14) | 566 | 1448 | |
| Taranto 14) | 1578 | 1448 | |
| Matera 15) | 1578 | 1448 | |
| Potenza 15) | 1578 | 1448 | |
| Catanzaro 16) | 1578 | 1448 | |
| Cosenza 16) | 1578 | 1448 | |
| Reggio C 16) | 1578 | | |
| Agrigento 17) | 1578 | 1448 | |
| Catania 17) | 1331 | 1448 | 1367 |
| Caltanissetta 17) | 566 | 1448 | |
| Messina 17) | | 1115 | 1367 |
| Palermo 17) | 1331 | 1448 | 1367 |
| Cagliari 18) | 1061 | 1448 | 1594 |
| Nuoro 18) | 1578 | 1484 | |
| Sassari 18) | 1578 | 1448 | 1367 |

1) Piemonte, 2) Lombardia, 3) Trentino, Alto Adige, 4) Veneto, 5) Venezia, Giulia, Friuli, 6) Liguria, 7) Emilia, Romagna, 8) Toscana, 9) Umbria, 10) Marche, 11) Lazio, 12) Abruzzi, Molise, 13) Campania, 14) Puglia, 15) Basilicata, 16) Calabria, 17) Sicilia, 18) Sardegna.
**FM:** 1485 st's in Nat, 2nd, 3rd and 4th prgr.

**NATIONAL PRGR:** 05.30-22.30.
**N, Wrp:** 06.00 (W), 07.00, 09.00 (W), 11.00 (W), 12.00, 14.00, 16.00 (W), 19.00, 22.00 — **Maritime Wrp:** 05.30, 13.55 — **Rlg. Sce:** Sun 06.40 (Evangelistic), 08.30 (Mass from R. Vaticana) — **L.L:** W 05.35 — **Reg. Sce's:** Mon-Fri 13.00-13.55 on all st's marked 1), 3), 7), 13), 14), 17) (mw and FM st's only).
**2nd Prgr:** 06.30 (Sun 06.00)-21.45.
**N:** Every h 07.30-21.30 (exc. 11.30, 19.30) — **Prgr. for Tourists** (May-Sept): W 06.30-07.00. N. and Information in French (06.30 rel ORTF), German (06.40 rel WDR), English 06.50 rel BBC or VOA) — **Reg. Sce's:** 11.20 (Sun 11.30)-12.00 (mw and FM only.
**3rd Prgr:** 17.30 (Sun 15.30)-22.15 (approx). **N:** 20.00 — **Concert:** 18.30.
**Network 3** (cultural prgr's): W 09.00-17.30. Sun 08.30-15.30 (until 16.00 on FM III only, 16.00-17.30 on FM III and mw-st's).
**Night Prgr.** (Notturno dall'Italia): On 845kHz. Prgr: see sw.

**Special Reg. Sce's:**
**R. Naples III** (1367kHz): **English:** 06.00-07.50 for tourists.
**R. Trieste A** (980kHz): **Slovene:** W 06.00-07.30, 10.30-13.30, 16.00-22.30 (Sat 10.30-22.30). Sun 07.00-22.30. **N:** 06.15 (W), 07.15, 12.15, 13.15, 16.15 (W), 19.15, 22.15.
**R. Bolzano: German:** On 656kHz: W 13.45-13.55. On 1594/1448 kHz: 06.00-07.00 (W), 08.30 (Sun 07.00)-11.30, 12.00-13.00, 16.00 (Sun 15.00)-18.00, 18.15-20.20. **N:** 06.15 (W), 11.10, 12.15, 13.45 (W), 18.45.
**Ladino:** W 13.20-13.45 on 656/1331kHz, Mon 17.30-18.00 on 1594kHz.

**SHORT WAVES: Nat. Prgr. on 6060/9515kHz:** W 05.30-13.00, 14.00-22.30. Sun 05.30-22.30 — **2nd Prgr. on 7175kHz:** Mon-Fri 05.30-11.20, 12.00-21.40; Sat 05.30-21.40; Sun 05.30-11.30, 12.00-13.00, 13.30-21.45 — **3rd Prgr. on 3995kHz:** 17.30-22.15.
**Night Prgr. (Notturno dall'Italia):** 22.30-05.30 on 6060/9515kHz. 7 h of music-parade: songs, melodies, opera music, dance music, folklore songs, symphony, operetta and jazz, with short **news-bulletins** in four languages (**Italian and English** each full h, **French and German** every h on the half h). Sun: "Holiday for a Continent" musical divertissement presented in Italian, English, French and German.

**FOREIGN SERVICE**

**ADDR:** via del Babuino 9, Roma. **Te:** 3878.
**STATIONS:** Rome: 5/50/60/100kW (G.C: 12.31E/41.48N); Caltanissetta: 5/25kW (G.C: 14.04E/37.30N).
1) Caltanissetta — 2) Rome — 3) Bari.

| kHz | m | | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|---|
| 556 | 530.0 | 1) | 6060 | 49.50 | 9710 | 30.90 | 15400 | 19.48 |
| 845 | 355.0 | 2) | 6075 | 49.38 | 11800 | 25.42 | 17740 | 16.91 |
| 1115 | 269.0 | 3) | 7235 | 41.47 | 11810 | 25.40 | 17770 | 16.88 |
| 1331 | 225.4 | 3) | 7275 | 41.24 | 11905 | 25.20 | 17815 | 16.84 |
| 5955 | 50.39 | | 7290 | 41.15 | 15310 | 19.60 | 17890 | 16.77 |
| 5990 | 50.08 | | 9515 | 31.53 | 15340 | 19.56 | 21560 | 13.91 |
| 6050 | 49.59 | | 9575 | 31.33 | | | | |

**EUROPEAN SERVICE: "Rome Calling Europe"**

| | | | |
|---|---|---|---|
| **Albanian** | **kHz** | **Lithuanian** | **kHz** |
| 15.00-15.20 | 9710, 11800 | 04.45-05.05 | 6075, 7275 |
| **Bulgarian** | | **Polish** | |
| 15.40-16.00 | 9710, 11800 | 18.45-19.05 | 6050, 7290 |
| **Czech** | | 22.10-22.25 | 6075, 7275 |
| 18.15-18.30 | 6050, 7290 | **Portuguese** | |
| 21.35-21.55 | 6075, 7275 | 21.10-21.30 | 5990, 7275 |
| **Danish/Swedish*** | | **Rumanian** | |
| 20.00-20.20 | 5990, 7275, 9710 | 05.10-05.30 | 6075, 7275 |
| **English** | | 21.35-21.55 | 5955, 5990, 7290 |
| 19.35-19.55 | 6050, 7275, 9710 | **Russian** | |
| **Esperanto (Sun)** | | 03.30-03.45 | 6075, 7275, 9575 9710, 11905 |
| 20.00-20.20 | 5990, 7275, 9710 | 05.35-05.55 | 7275, 9575 |
| **French** | | 16.05-16.25 | 9710, 11800 |
| 14.30-14.55 | 7290, 9575, 11800 | **Serbo-Croat** | |
| **German** | | 15.00-15.20 | 7290, 9575, 11905 |
| 17.50-18.10[1] | 5990, 7235, 9575 | 19.10-19.30 | 6060, 7275 |
| 18.15-18.35[2] | 5990, 7235, 9575 | **Slovak** | |
| 15.40-16.00[3] | 7290, 9575, 11905 | 18.30-18.45 | 6050, 7290 |
| 1) to We. Germany; | | 21.55-22.10 | 6075, 7275 |
| 2) to Ea. Germany; | | **Slovene** | |
| 3) to Austria | | 15.20-15.40 | 7290, 9575, 11905 |
| **Greek** | | **Spanish** | |
| 15.20-15.40 | 9710, 11800 | 20.50-21.10 | 5990, 7275 |
| **Hungarian** | | **Turkish** | |
| 19.35-19.55 | 5990, 7235 | 20.00-20.20 | 7235, 9575 |
| **Italian** | | **Ukrainian** | |
| 14.30-14.55[1] | 9710, 11810 | 03.50-04.10 | 6075, 9575 |
| 16.05-16.55[2] | 7290, 9575, 11905 | * Danish: Tues, Thurs, Sat; Swedish: Mon, Wed, Fri. | |
| 1) for Malta; | | | |
| 2) for Ce. Europe | | | |

**GENERAL OVERSEAS SERVICE TO AUSTRALIA/ NZ/FAR EAST**

| | |
|---|---|
| **English** | **kHz** |
| 22.00-22.25 | 5990, 9710, 11905 |
| 03.50-04.10 | 9710, 11905, 15310 |
| **Italian** | |
| 20.50-21.30 | 9575, 11800, 15310 |
| 06.00-06.45 | 11810, 15310, 17770, 17890, 21560 |

**TO AFRICA**

| | |
|---|---|
| **Amharic** | **kHz** |
| 04.15-04.35 | 15310, 17770, 21560 |
| **Arabic** | |
| 17.50-18.10 | 9710, 11800 |
| 20.25-20.45 | 7275, 9710 |
| **French** | |
| 16.30-16.55 | 9710, 11800 |
| **Italian** | |
| 04.35-05.10 | 15310, 17770, 21560 |
| 17.00-17.45 | 9710, 11800, 17770, 17815, 21560 |
| **Somali** | |
| 05.10-05.30 | 15310, 17770, 21560 |

**TO NEAR EAST**

| | |
|---|---|
| **Arabic** | **kHz** |
| 05.35-05.55 | 9710, 11810, 15310 |
| **Arabic** | **kHz** |
| 19.10-19.30 | 9575, 11800, 15400 |
| **English** | |
| 20.25-20.45 | 7235, 9575, 11800 |

**TO MEDITERRANEAN**

| | |
|---|---|
| **Italian/English** | **kHz** |
| 04.15-04.40 | 6075, 7275 |

**TO LATIN AMERICA**

| | |
|---|---|
| **Italian** | **kHz** |
| 18.40-19.05 | 15400, 17770, 21560 |
| 01.40-03.05 | 9575, 9710, 11810, 11905, 15340 |
| **Portuguese** | |
| 01.20-01.35 | 9710, 11905, 15340 |
| **Spanish** | |
| 01.00-01.20 | 9710, 11905, 15340 |
| 03.05-03.25 | 9575, 9710, 11810, 11905, 15340 |

**TO NO. AMERICA**

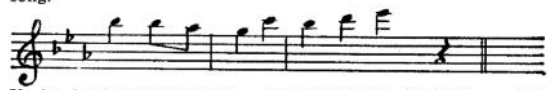
| | |
|---|---|
| **English** | **kHz** |
| 01.00-01.20 | 9575, 11810 |
| **French** | |
| 01.20-01.35 | 9575, 11810 |
| **Italian** | |
| 22.30-01.00 | 9575, 9710, 11810, 11905, 15340 |

**NEWS in English:** 01.00, 04.25, 03.50, 19.35, 20.25, 22.00. **ANN:** "RAI — Radiotelevisione Italiana, stazioni del (programma Nazionale, Secondo programma, Terzo Programma)". Night prgr: "RAI — Radiotelevisione Italiana stazioni a onda media di Roma2kHz 845 pari a m. 355 e di Milano1kHz 899 pari a m. 333.7 e stazioni ad onda corta di Caltanisetta kHz 6060 e 9515 pari a m. 49,50 e 31,53" — "Notturno dall' Italia" — Foreign Sce: I: "RAI — Radiotelevisione Italiana — stazioni ad onda corta di m. ...pari rispettivamenta a ...kHz — Trasmissioni in lingua italiana per...". E: "This is the Italian R. & Television Sce. Broadc. from Rome". F: "Ici la R. Italian". G: "Hier ist der italienische Auslandssendedienst in Rom". **INT-SIG:** Bird chirping, opening signal: bells (composition by A. Parelli) — **V.** by QSL-card — **PUB:** "Radiocorriere" (weekly) for Home Sce. Prgr. schedule 3 times a year in E, F, G, I (Foreign Sce) — **ALF: Lire 3.300,-.**

## LUXEMBOURG

**L.T:** GMT+1 h — **Pr.L:** Luxembourgian, French.
**RADIO LUXEMBOURG (Comm.)**
**ADDR:** Compagnie Luxembourgeoise de Télédiffusion, Villa Lou-Vigny, Luxembourg. **Cable:** Radio Luxembourg. **Te:** 25881 **L.P:** Dir. Gen: M. Felten. Secr. Gen: G. Graas.
**STATIONS**
233kHz 1287m 600kW — 1439kHz 208m 350kW d
15350kHz 19.54m 6kW — 6090kHz 49.26m 100kW
**FM:** 92.5MHz 50kW — 97MHz 100kW — 88.9MHz 100kW.
**HOME SCE. in Luxembourgian on 92.5MHz:** W 10.00-13.00, 17.30-21.00; Sat 10.30-13.30; Sun 07.30-21.00 (18.00-19.00 also on 6090kHz) — **N:** 11.45, 18.00, 18.30, 21.00.

**FOREIGN SCE:**
**On 233/15350kHz in French:** W 04.20 (Sun 05.20)-02.00 (Sat 04.00) — **N.** (W) 05.00, 05.30, 06.00, 06.30, 07.00, 07.30, 08.00, 09.00, 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 20.00, 21.00, 22.00, 23.00, 24.00, 01.00, 02.00.
**N** (Sun): 06.00, 06.30, 07.00, 07.30, 08.00, 09.00, 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 20.00, 21.00, 22.00, 23.00, 24.00, 01.00, 02.00 — **Rlg. Prgr's (French):** Sun 05.20-05.55, 07.30-08.00, 18.30-19.00.
**On 1439/6090kHz in Dutch, German, English:**
**Dutch:** Sun 06.30-13.00 (W 08.00-11.00). **N:** W 08.00, 09.00, 10.00, 10.54 (Sun 07.30, 09.00, 11.00) — **German:** 05.15-08.00, 11.00 (Sun 13.00)-18.30 (also on 97MHz). **N:** W 17.55 — **English:** 18.30 (Sun 18.00)-02.00 on 1439kHz, also on 6090kHz 19.00-02.00.
**International Rlg. Prgr's:**
**On 1439/6090kHz:** W 04.00-05.15 in German; Sun 04.30-04.45 in English; 04.45-06.30 in German; 06.30-07.30 in Flemish — **On 6090kHz only:** Mon 19.15-19.25 German; Tues 05.30-05.45 Finnish; 19.00-19.15 Polish; Thurs 19.00-19.15 Slovak, 20.00-20.15 English; Fri 19.00-19.15 Russian; Sat 19.00-19.15 German **On 97MHz in German and English:** German: 05.00 (Sun 06.00)-24.00 — **English:** 24.00-02.00 relay 1439kHz.
**ANN:** F: "Ici R. Luxembourg". E: "This is R. Luxembourg". Dutch: "Hier is R. Luxembourg". G: "Hier ist R. Luxembourg". Luxembourgian: "Hei ass R. Lëtzeburg" —
**INT-SIG:** Melody played on piano: A Luxembourgian popular song.



**V.** by letter or QSL-card — **F.PL:** 233kHz 1250kW — **ALF:** Bfrs 96,-.

## MALTA (State of)

**L.T:** GMT+1 h — **Pr.L:** English, Maltese.
**BROADCASTING AUTHORITY MALTA** an independent Authority, to regulate and supervise sound and television broadc. in Malta with power to prescribe and produce prgr's — **ADDR:** 12, Old Treasury Str, Valletta. **Cable:** Broadcasts. **Te:** Ce 21281 — **L.P:** Chmn: J. A. J. Montarano-Gauci, C.B.E, K.M, LL.D. Chief Executive: J. A. Manduca; Secr: A. J. Ellul

Van Dulken and Dody Cowan, English Section of Radio Nederland, presenting a "Listeners Request Programme".

### RADIO MALTA
(Comm, a subsidiary of the Malta TV Service Ltd)
**ADDR:** P.O. Box 384, Gwardamanga. **Te:** 25051 — **L.P:** St. Mgr: W. A. Fenton.
**STATIONS** (System Gates): 1214kHz 247m 1kW — **FM:** 89.7 MHz 1kW (ERP) — **D.PRGR. in Maltese and English** (test tr's only): Mon-Fri 12.00-13.30, 20.00-23.00; Sat 10.15-18.30, 21.00-24.00; Sun 10.15-18.30, 20.00-23.00. **V.** not wanted.

### BRITISH FORCES BROADC. SCE. MALTA
is operated by the ministry of Defence to provide a Service of inf, entertainment as well as a link with home for H.M. Forces in Malta. It is non-comm, does not accept paid adv — **ADDR:** B.F.P.O. 51, Malta — **L.P:** St. Contr: A. A. Hargreaves. Sen. Eng: R. J. Smith.
**STATION:** 1425kHz 210.5m 1kW — **D.PRGR'S:** 08.00-11.00 (W), 16.30 (Sat/Sun 13.00)-22.15.
**N:** 08.15 (W), 13.00 (Sat/Sun only), 18.00, 22.00 — **ANN:** "This is the British Forces Broadc. Sce. Malta" — **INT-SIG:** "The Waltzing Bugle Boy" (Celeste) — **V.** by QSL-card. Rp. — **PUB:** "Gwida" (weekly).

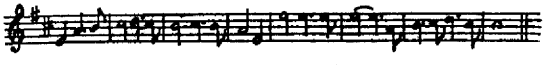
### CENTRAL MEDITERRANEAN RELAY
**(Relay of BBC Arabic Sce.)**
**For Libya/Tunesia:** On 1178kHz 254.5m 10kW: **Arabic:** 03.45-05.45, 13.00-21.00.

### REDIFFUSION MALTA LTD. (Priv. Comm.)
**ADDR:** P.O. Box 82, Gwardamanga. **Cable:** Rediffusion. **Te:** Central 25051 — **L.P:** Gen. Mgr: E. A. Hamilton-Hill, O.B.E. Mgr: J. N. Tabone, FMIA, FCCS.
**D.PRGR:** Prgr I: 06.00-23.00. Mainly BBC (World Sce) with locally produced substitutions — Prgr II: Maltese 05.00-22.00. Local prgr's — **ALF:** £1-0-0.

## MONACO

**L.T:** GMT+1 h — **Pr.L:** French.

### RADIO MONTE CARLO (Comm.)
**ADDR:** B.P. 128, Monte Carlo. **Cable:** Radio Carlo. **Te:** 305252. **L.P:** Dir. Gen: J. Maziol. Dir. Inf: J. Debu-Bridel. Chief Comm. Sce: E. Bosio. Chief Press Section: Jean-Louis Medecin. Dir. Tec: G. Auvray.
**STATIONS:** (G.C: 07.26E/43.44N):
218kHz 1376m 1250kW — 1466kHz 205m 400kW — 6035kHz 49.71m 30kW — 7135kHz 42.05m 30kW — **FM:** 93.5MHz 30kW.
**HOME SCE:** 05.00-01.00 — **N:** From 06.00 to 18.00 every h on the h exc. 08.00, 18.30, 21.00, 23.00.
**FOREIGN SCE:** A 100kW sw-tr. in the 49, 41, 31, 25, 18 m.b. (see Trans World Radio).
**ANN:** "Ici Monte Carlo" — **INT-SIG:** L'Hymne National Monégasque".

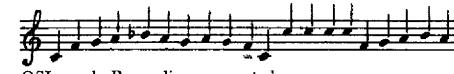


**V.** by letter — **PUB:** Weekly prgr. sched.

### TRANS WORLD RADIO
**ADDR:** P.O. Box 141, Monte Carlo. **Te:** 302233. **Cable:** Votan. **L.P:** Pres: Paul E. Freed, Ph.D. Dir. Gen: R. Freed. D.D. St. Mgr: Norman Olsen. Dir. Pub. Rel: David Carlson.
**STATIONS** (G.C: 07.26E/43.44N): 2 x 100kW tr's.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 5960 | 50.34 | 7260 | 41.32 | 11720 | 25.60 | 11835 | 25.35 |
| 7215 | 41.58 | 7295 | 41.14 | 11750 | 25.53 | 11960 | 25.08 |
| 7225 | 41.52 | 9575 | 31.33 | 11790 | 25.45 | | |

**D.PRGR: Arabic:** 13.35-13.50 (Fri/Sat) on 7260kHz, 18.10-18.25 (D) on 11720kHz — **Armenian:** 18.25-18.40 (Sat/Sun) on 11720 kHz — **Bulgarian:** 07.00-07.30 (Sun) on 9575kHz, 19.15-19.30 (Wed-Sat) on 7225kHz — **Czech:** 16.45-17.00 (Sun/Thurs/Sat) on 7260kHz — **Dutch:** 10.00-10.30 (Sat) on 9575kHz — **English:** 07.30-11.00 (Sun) on 7295kHz, 15.15-16.30 (Sun) on 7295kHz, 07.30-09.00 (W) on 7295kHz — **Estonian:** 17.30-17.45 (Sun/Tues/Fri) on 11835kHz — **Finnish:** 16.30-16.45 (Tues/Fri) on 9575kHz — **French:** 11.45-12.00 (D) on 7260/5960kHz, 12.00-12.15 (Wed/Thurs) on 7260kHz, 12.00-12.15 (Sun/Wed/Fri/Sat) on 5960kHz — **German:** 08.30-08.45 (D) on 7215kHz, 11.25-11.40 (D), 14.30-14.55 (D) on 7215kHz — **Greek:** 13.15-13.30 (D) on 9575kHz — **Hebrew:** 17.50-18.05 (D) on 11960kHz — **Hungarian:** 16.30-16.45 (D) on 7260kHz — **Italian:** 12.20-12.35 (D) on 5960kHz — **Latvian:** 17.30-17.45 (Mon/Wed/Thurs/Sat) on 11835kHz — **Norwegian:** 17.00-17.30 (D) on 9575kHz — **Polish:** 16.00-16.15 (W) on 9575kHz — **Portuguese:** 18.30-18.45 (Sun) on 9575kHz — **Rumanian:** 13.45-14.15 (Sun) on 9575kHz, 16.45-17.15 (Tues) on 9575kHz — **Russian** 07.30-08.15 (Sun) on 11960kHz. 15.20-15.55 on 11790kHz. 19.30-19.45 (D) on 9575 kHz — **Spanish:** 13.00-13.30 on 7260kHz, 13.30-13.35 (W) on 7260kHz — **Ukranian:** 10.45-11.15 (Sun) on 11835kHz, 14.50-15.20 (Thurs) on 11750kHz, 05.05-05.20 (Sun/Fri/Sat) on 11750 kHz — **Yiddish:** 08.45-09.00 (Sun) on 7215kHz — **Yugoslavian:** 13.30-13.45 (Sun) on 7260kHz, 16.45-17.00 (Wed) on 7260kHz.
**MW-PRGR** (1466kHz 400kW): D 04.45-05.15, 21.00-23.00. **Arabic:** 22.15-23.00 (Wed/Thurs) — **Dutch:** 22.00-22.15 (Wed) — **English:** 21.30-22.45 (Sun), 21.30-22.00 (W), 22.00-22.45 (Mon), 22.00-22.30 (Tues), 22.00-22.30 (Fri) — **Faroese:** 22.30-22.45 (Tues) — **French:** 21.00-21.05 (D), 22.00-22.15 (Thurs), 22.45-23.00 (Sat) — **German:** 04.45-05.15 (D), 21.05-21.30 (D) — **Hungarian:** 22.45-23.00 (Mon) — **Italian:** 22.30-23.00 (Fri), 22.00-22.45 (Sat) — **Portuguese:** 22.45-23.00 (Sun) — **Yugoslavian:** 22.45-23.00 (Tues).
**LW-PRGR** (215kHz, 1200kW): **French:** 04.30-05.00 (D).
**ANN:** E: "This is Monte Carlo" or "You are listening to Monte Carlo" — "We invite our listeners in the British Isles to stay tuned to the following prgr's of Trans World Radio". F: "Ici Monte Carlo. Trans World Radio vous presente un programme en language Française". G: "Hier ist Monte Carlo, von Trans World Radio hören Sie ein Programm in deutscher Sprache" — **INT-SIG:** Musical Box.



**V.** by QSL-card. Recordings accepted.
**PUB:** Mw+sw schedules available on request — **FI:** Dedicated excl. to broadc. Gospel of our Lord and Saviour Jesus Christ and is maintained by free will contributions.

## NORWAY

**L.T:** GMT+1 h — **Pr.L:** Norwegian.

### NORSK RIKSKRINGKASTING (Gov.)
A non-comm. enterprise operated by an indep. State organization.
**ADDR:** Bj. Bjørnsons Plass 1, Oslo. **Te:** 463820. **Cable:** Studio. **Telex:** Radio: 1023. Television 1794. Foreign Relations Service: 6820. **L.P: Radio and Television:** Dir. Gen: Dr. Hans Jacob Ustvedt. Dir. Adm: O. Granlund. Chief Secr: B. Kragem. Dir. Personnel: O. Svanevik. Editor "Programbladet": E. Strand. Head of Foreign Relations Service: K. C. Lyche. Press & Inf. Officer: O. Grythe — **Radio:** Dir. Prgr: T. Elster. Dir. Tec: E. Julsrud. Prgr. Editors: A. Klæbo. H. Kiran, H.Sv. Nesheim. P, Riste, L. Rustad, H. Heiberg, K. Lange, P. Bøhn. Short-wave Dept: E. Thokle. **Television:** Dir. Prgr: O. Nes. Dir. Tec: T. Navelsaker. Prgr. Editors: J. Frydenlund, T. Berg, A. Okkenhaug, E. Diesen, T. B. Thoresen. L. Johnson, O. Foss.

**RADIO TRANSMITTERS**

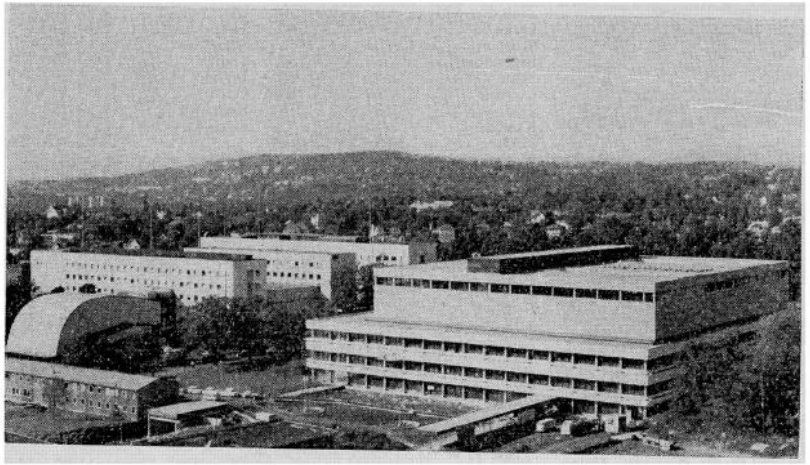
**Long and Medium Waves:**

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Tromsø | 155 | 1934 | 10 | Stavanger | 1313 | 228 | 100 |
| Oslo | 218 | 1376 | 200 | Odda | 1466 | 205 | 0.25 |
| Røros | 520 | 577 | 0.25 | Geilo | 1466 | 205 | 0.25 |
| Vigra | 629 | 477 | 100 | Kautokeino | 1466 | 205 | 1 |
| Bodø | 674 | 445 | 10 | Narvik | 1466 | 205 | 1 |
| Finmark | 701 | 428 | 20 | Porsgrunn | 1466 | 205 | 0.25 |
| Bergen | 890 | 337 | 20 | Sandnessjøen | 1466 | 205 | 0.25 |
| Kristiansand | 890 | 337 | 10 | Svalbard | 1466 | 205 | 1 |
| Trøndelag | 890 | 337 | 10 | Brønnøysund | 1484 | 202 | 0.25 |
| Alta | 1115 | 269 | 0.25 | Glomfjord | 1484 | 202 | 0.25 |
| Arendal | 1115 | 269 | 0.25 | Karasjok | 1484 | 202 | 1 |
| Bø i Vesterålen | 1115 | 269 | 1 | Mosjøen | 1484 | 202 | 0.25 |
| Lista | 1115 | 269 | 0.25 | Rjukan | 1484 | 202 | 0.25 |
| Mo i Rana | 1115 | 269 | 0.04 | Fredrikstad | 1578 | 190 | 10 |
| Namsos | 1115 | 269 | 1 | Nordkapp | 1578 | 190 | 1.3 |
| Notodden | 1115 | 269 | 1 | | | | |

**FM-STATIONS:**

| Name | MHz | kW | Name | MHz | kW |
|---|---|---|---|---|---|
| Bergen | 89.1 | 60 | Kongsberg | 91.3 | 60 |
| Bjerkreim | 94.2 | 60 | Lyngdal | 97.6 | 12 |
| Bokn | 93.5 | 100 | Lønahorgi | 93.3 | 60 |
| Bremanger | 93.6 | 15 | Melhus | 92.4 | 60 |
| Fauske | 97.6 | 1.3 | Narvik | 88.8 | 15 |
| Forde | 82.8 | 15 | Nordgjordeid | 89.4 | 15 |
| Gamlemsveten | 91.9 | 60 | Nordhue | 87.6 | 60 |
| Greipstad | 88.8 | 11 | Oslo | 88.65 | 100 |
| Grong | 91.9 | 60 | Reinsfjell | 89.1 | 30 |
| Gulen | 88.0 | 15 | Sogndal | 91.5 | 30 |
| Hadsel | 92.4 | 15 | Steigen | 90.3 | 15 |
| Hammerfest | 96.6 | 30 | Steinkjer | 90.9 | 12 |
| Hemnes | 88.5 | 15 | Stord | 96.0 | 60 |
| Hestmannen | 97.0 | 2 | Tana | 92.5 | 30 |
| Hovdefjell | 87.8 | 25 | Trolltind | 88.2 | 9 |
| Jetta | 95.9 | 15 | Tron | 98.3 | 30 |
| Kistefjell | 91.8 | 1.8 | Varanger | 91.8 | 30 |
| Kieldeknatten | 91.7 | 1.1 | Vega | 89.3 | 25 |

+77 low power satellite tr's.



**THIS IS RADIO NORWAY**

## NORSK RIKSKRINGKASTING

(The Norwegian Broadcasting Corporation)

**THIS IS RADIO NORWAY . . . . .**

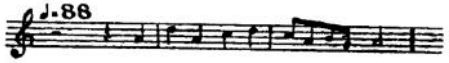
**. . . with the new Television House in front, and the Radio House from 1940 in the background.**

**The Television House will be taken into service in spring 1968, and before long the construction of an administration block will be started, to complete the plans for a modern TV-center in the Norwegian capital.**

**Power Line Distribution:** Langerak 300kHz 0.6kW, Brokke 290kHz 1kW, Oppdal 290kHz 1kW, Røldal 285kHz 1kW, Tonstad 290kHz 2kW, Verma 290kHz 0.3kW. Årøy 300kHz 0.66kW, Sulitjelma 511kHz 0.25kW.

**HOME SCE:** W 05.40-09.25, 10.20-13.30, 15.00-22.20. Sun 06.30-14.00, 15.00-22.20. **N:** 05.40 (W), 07.00 (W), 08.00 (Sun), 12.10, 15.05, 17.35, 21.10 — **Wrp:** 05.40 (W), 07.00 (W), 08.00 (Sun), 12.00, 17.30, 21.00 — **Folklore Music:** Sun 16.30 — **Rlg:** Sun 10.00, Thurs 17.00, W 07.15 — **L.L: English:** Wed 21.30, Thurs 09.00 (for beg.). **German:** Wed 16.35. **French:** Thurs 16.35. **Samisk** from Tromsø (1935m) and Vadsø: Mon, Wed 13.50, Tues 13.25, Thurs, Sat 13.40. **Reg. Prgr's** (over all tr's): W 13.00-13.30.

**ANN:** "Dette er Norsk Rikskringkasting". In Samisk: "Dát læ Norga Riikarádio, Tromsas. Dii gullabettet Samigiel prográmma". **INT-SIG:**



### FOREIGN SERVICE

**Tr's:** Fredrikstad 120kW(2), 100kW(1), 10kW(2).
Freq's that may be used during the year:

| Call | kHz | m | Call | kHz | m | Call | kHz | m |
|---|---|---|---|---|---|---|---|---|
| LKF | 1578 | 190.1 | LKQ | 11735 | 25.56 | LLN | 17825 | 16.83 |
| LKJ | 6130 | 48.94 | LLK | 11850 | 25.32 | LKC | 21655 | 13.86 |
| LLI | 6185 | 48.50 | LLJ | 11860 | 25.30 | LLP | 21670 | 13.85 |
| LLR | 7240 | 41.44 | LKV | 15170 | 19.78 | LLQ | 21730 | 13.81 |
| LLD | 9550 | 31.41 | LLM | 15175 | 19.77 | LLL | 25730 | 11.66 |
| LLG | 9610 | 31.22 | LKU | 15345 | 19.55 | LLA | 25900 | 11.58 |
| LLH | 9645 | 31.10 | LKW | 17775 | 16.88 | | | |

**G.C:** Fredrikstad 10.58E/59.11N; Tromsø 18.55E/69.41N.
Abbreviations: I=M. East/New Foundland/U.S.A. (West)/Ce. America; II=Pacific/F. East/NZ/Indonesia/We. Australia/Ea. Africa; III=F. East/Ea. Australia/NZ/So. America/We. & So. Africa/We. Europe; IV=M. East/India/Indonesia/We. Australia/U.S.A. (East)/Ce. & So. America/We. Europe; V=We. Europe/New Foundland/U.S.A./Ce. America; VI=Scandinavia/Pacific/Africa; VII=We. Europe/Africa; VIII=No. Africa/New Foundland/So. America; IX=We. & So. Africa/So. America/New Foundland.

**Stations:** Freq's in bold types refer to tr's of 100 or 120kW; others 10kW.

| Times | Area | kHz/Beams |
|---|---|---|
| 07.00-08.30 | II | **9550** (15°), **11850** (5°), **21730** (45°) 25730(95°), 21655 (185°) |
| 11.00-12.30 | III | **7240** (*), **15175** (45°), **25900** (90°) 21730 (95°), 25730 (185°) |
| 13.00-14.30 | IV | **17825/21730** (150°), **25900** (110°) 21655 (95°), 25730 (275°) |
| 15.00-16.30 | V | **17825** (185°), **21730** (315°), **25900** (275°) 21655 (150°), 25730°) |
| 17.00-18.30 | VI | **17825**/21655 (150°), **21730** (185°), 25730 (275°), **25900** (225°) |
| 19.00-20.30 | VII | **15175** (150°), **17825**/21655 (225°), **21730**/25730 (275°) |
| 21.00-22.30 | VIII | **11850** (225°), **11860** (290°), **15175** (200°) |
| 23.00-00.30 | IX | 1578 (*), **9550** (290°), **11735** (315°), **11850** (225°) |
| 03.00-04.30 | I | 1578 (*), **9550** (290°), **9610** (315°), **11735** (290°) |

*) omnidirectional aerial

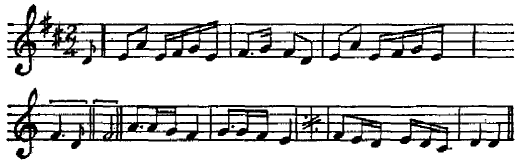
**N. in English:** Sun 12.00, 14.00, 16.00, 18.00, 20.00, 22.00, Mon 00.00, 04.00, 08.00 — **N.** in Norwegian at the beginning of each tr.

**Prgr's in Spanish:** Every Fri/Sat at approx 12.20, 14.20, 16.20, 18.20, 20.20, 22.20, 00.20, 04.20, 08.20 mainly intended for Spanish seamen on board Norw. ships.
**N. in Faroese:** Fri 14.45 — **Weather at Sea:** 14.50, 23.00.

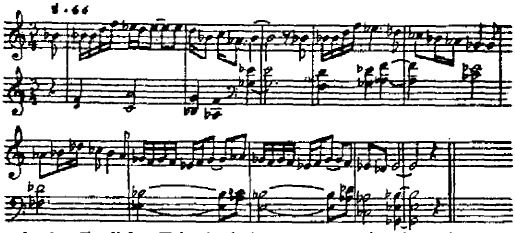
**The Tromsö Shortwave transmitter** carries the Norwegian Home Service on 11735kHz **10kW** (Beam 280°) for the Norwegian fishing fleet around Iceland and Greenland.

**Prgr. for Norwegians abroad:** Sun: Rel. Sce, Sport, L.N. — Mon: Sport N, Parliament N — Tues: Topicalities L.N. — Wed: Request Prgr. (music), L.N. — Thurs: World N, L.N. — Fri: Missionary, Shipping N, L.N. — Sat: Request prgr, L.N.
**ANN:** "This is the overseas service & Radio Norway".

**INT-SIG:** Every s.w. transmission is introduced by the following theme, which originates from an ancient folk tune from Hallingdal.



Five minutes previous to every s.w. tr. the following signal is sent:



**Prgr's in English:** Tr's include news, music, interviews, and feature prgr's. We are grateful for comments on our transmission. Reports are answered by QSL-card. Return postage is not necessary. Our postal address is: **Radio Norway, Oslo,** Norway.
**PUB:** Programbladet (weekly), Prgr. schedule free on request — **ALF:** N.Kr. 50.00.

### TELEVISION TRANSMITTERS

| STATIONS: | ch | kW (ERP) | | ch | kW (ERP) |
|---|---|---|---|---|---|
| Greipstad | 2 | 15 | Hovdefjell | 7 | 30 |
| Gulen | 2 | 8 | Salten | 7 | 12 |
| Melhus | 2 | 100 | Sogndal | 7 | 20 |
| Steigen | 2 | 12 | Bokn | 8 | 100 |
| Gamlemsveten | 3 | 30 | Jetta | 8 | 4 |
| Hemnes | **3** | **12** | Kistefjell | 8 | 4 |
| Bremanger | 4 | 30 | Bergen | 9 | **140** |
| Kongsberg | 4 | 100 | Lyngdal | 9 | **15** |
| Hadsel | 4 | 10 | Trou | 9 | **30** |
| Grong | 5 | 20 | Vega | 9 | 5 |
| Nordhue | **5** | **60** | Lillehammer | 10 | 1 |
| Grimo | 6 | 0.55 | Lonahargi | 11 | 10 |
| Bjerkreim | 6 | 7 | Fister | **11** | **1.5** |
| Oslo | 6 | 100 | Trolltind | 11 | 8 |
| Reinsfjell | 6 | 60 | | | |

+125 low powered satellites less 0.5kW not mentioned.
**D.Prgr:** W 07.30-15.00 (exc. Tues). Prgr's: Mon-Fri 19.00-22.00; Sat/Sun 18.00-23.00 — **ALF:** N.Kr. 200,00 (incl N.Kr. 50.00 for radio licence).

**NOREA RADIO (Nordic Radio Evangelistic Association)**
**ADDR:** Grensen 19, Oslo 1. **Te:** 417640. **Cable:** Norskluth — **L.P:** Dir. Adm. and Prgr: A. Nevland. Dir. Tec: S. Spikkeland. **D.PRGR:** Norwegian. 17.00-17.30 on 9575 (100kW) over R. Monte Carlo — **V.** by QSL-card or letter — **FI:** By gifts from listeners and friends.

**UKE-SENDEREN**
is operated by students of the Technical University of Trondheim all odd-numbered years, and by students of the University of Oslo all even numbered years.
**STATIONS:** Depend on issuing authorities (Telegrafstyret) — **D.PRGR'S:** Depend on issuing authorities (NRK).

## POLAND (People's Republic of)

**L.T:** GMT+1 h — **Pr.L:** Polish.

**POLSKIE RADIO I TELEWIZJA (Gov.)**
**ADDR:** Komitet do Spraw Radio i Televizji "Polskie Radio i Telewizja" ul. Noakowskiego 20, Warsaw. **Te:** 2106. **Cable:** "Polskieradio" — **L.P:** Pres: W. Sokorski. Vice Pres. Home Sce: H. Werner. Vice Pres. Foreign Sce: E. Uzdanski. Vice Pres. Engineering: K. Kozlowski. Dir. Prgr: Home Sce: J. Jesionowski. Dir. Prgr. Foreign Sce: H. Meller. Vice Pres. for TV: St. Stefanski. Dir. Adm: A. Landau. Secr. Gen: H. Cendrowski. Dir. Music: R. Jasinski. Dir. Tec: B. Klimaszewski. Head Intern. Relations Office: D. S. Mikulicz.

| HOME SCE: | kHz | m | kW |
|---|---|---|---|
| **Long- & Medium Waves** | | | |
| Warszawa I | 227 | 1322 | 500 |
| Poznan | 737 | 407 | 300 |
| Warszawa II | 818 | 367 | 300 |
| Katowice | 1079 | 278 | 60 |
| Krakow | 1205 | 249 | 60 |
| Rzeszow | 1205 | 249 | 60 |
| Wroclaw | 1259 | 238.5 | 100 |
| Zielona Gora | 1259 | 238.5 | 30 |
| Gdansk | 1304 | 230 | 60 |
| Szczecin | 1304 | 230 | 160 |
| Bialystok | 1367 | 219.8 | 60 |
| Lódz II | 1367 | 219.8 | 60 |
| Lublin | 1367 | 219.8 | 60 |
| Lódz | 1484 | 202.2 | 8 |
| Kielce | 1484 | 202.2 | 2 |

| F.M: | MHz | kW | Prgr |
|---|---|---|---|
| Bydgoszcz | 71.1 | 5 | I+III |
| Bydgoszcz | 69.0 | 5 | II |
| Gdansk | 70.3 | 5 | I+III |
| Gdansk | 67.0 | 5 | II |
| Katowice | 89.8 | 3 | I+III |
| Katowice | 68.33 | 5 | I+III |
| Katowice | 65.99 | 5 | II |
| Kielce | 72.71 | 5 | I+III |
| Kielce | 70.49 | 5 | II |
| Krakow | 68.75 | 5 | I+III |
| Krakow | 66.11 | 5 | II |
| Lublin | 72.59 | 5 | I+III |
| Lublin | 69.92 | 5 | II |
| Olsztyn | 69.56 | 5 | II |
| Opole | 95.0 | 3 | I+III |
| Opole | 66.77 | 5 | II |
| Opole | 72.11 | 5 | I+II |
| Poznan | 69.74 | 5 | I+II |
| Olsztyn | 1484 | 202.2 | 1 |
| Zakopane | 1484 | 202.2 | 2 |
| Szczecinek | 1484 | 202.2 | 2 |
| Slupsk | 1484 | 202.2 | 2 |
| Jelenia Góra | 1484 | 202.2 | 2 |
| Opole | 1594 | 188.2 | 2 |
| Koszalin | 1594 | 188.2 | 1 |
| Gizycko | 1594 | 188.2 | 1 |

| | MHz | kW | Prgr |
|---|---|---|---|
| Poznan | 66.62 | 5 | II |
| Rzeszow | 68.24 | 5 | I+III |
| Rzeszow | 65.09 | 5 | II |
| Warszawa | 97.6 | 9 | I+III |
| Warszawa | 69.2 | 10 | I+III |
| Warszawa | 67.94 | 10 | II |
| Zielona Góra | 69.14 | 5 | I+II |
| Zielona Góra | 72.50 | 5 | II |
| Zgorzelec | 68.2 | 0.3 | II |
| Wroclaw | 70.67 | 5 | I+III |
| Wroclaw | 72.89 | 5 | II |
| Szczecin | 68.78 | 5 | I+III |
| Szczecin | 65.96 | 5 | II |
| Koszalin | 69.92 | 5 | II |
| Koszalin | 67.07 | 5 | I+III |
| Czestochowa | 67.79 | 2 | II |
| Bialystok | 72.80 | 5 | II |
| Bialystok | 70.01 | 5 | I+III |

**Prgr: I:** W 03.57 (Sun 04.30)-23.00.
**N:** 04.00 (W), 05.00, 06.00, 07.00, 08.00 (Sun), 11.04, 14.00, 16.00, 19.00, 22.00 — **Folk Music:** W 11.45-12.00 — **Chopin Concert:** Wed 20.00-20.30 — **The Polish Radio Symphony Orchestra (WOSPR) Concert:** Mon 20.00-22.00 — **L.L: English:** Mon, Thurs 17.30. **French:** Wed, Sat 17.30. **Russian:** Tues, Fri 17.30.
**Prgr. II: On 818kHz+all mw-st's:** 03.57 (Sun 05.00)-01.00. **On FM:** 03.57 (Sat 03.27, Sun 04.27)-23.00. **N:** 04.30 (W), 05.30, 06.30, 07.30, 11.04, 15.00 (W), 16.00 (Sun), 20.00, 22.50 **Chopin Concert: Sun** 15.30-16.00 — **National Philharmonic Concerts:** Fri 18.30 — **Symphonic Concert:** Sun 11.10 — **L.L: English:** Tues, Fri 08.45. **French:** Thurs, Sun 08.45. **Russian:** Wed, Sat 08.45.
**Prgr: III:** D 18.00-23.00.

### FOREIGN SERVICE

737kHz 300kW, 818kHz 300kW, 1259kHz 50kW, 1367kHz 60kW, 1502kHz 300kW.
**Shortwaves** (G.C: 20.52E/52.04N): 5/7.5/15/100kW:

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 737 | 407.1 | 6005 | 49.96 | 9525 | 31.50 | 11815 | 25.39 |
| 818 | 366.7 | 6135 | 48.90 | 9540 | 31.45 | 11840 | 25.34 |
| 1259 | 238.3 | 7125 | 42.11 | 9570 | 31.35 | 11955 | 25.09 |
| 1367 | 219.5 | 7145 | 41.99 | 9675 | 31.01 | 15275 | 19.64 |
| 1502 | 199.7 | 7270 | 41.27 | **11725** | 25.59 | | |
| 5970 | 50.25 | 7285 | 41.18 | **11800** | 25.42 | | |

**Schedule:** October 67-April 1968

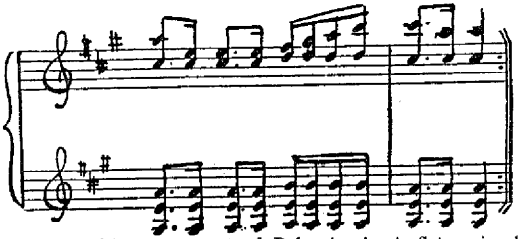
**TO EUROPE**

| | |
|---|---|
| **Danish** | **kHz** |
| 12.00-12.30 | 1502 |
| 16.30-17.00 | 6135, 7125 |
| 20.30-21.00 | 6135, 7125 |
| **English** | |
| 07.30-08.00 | 9570, 9675 11840, 15275 |
| 18.30-18.57 | 6135, 7125 |
| 19.30-20.00 | 6005, 6135, 7125 |
| 20.30-21.00 | 5970, 9675 |
| 21.30-21.55 | 1502, 6135 7125, 7285 |
| 23.03-23.30 | 818 |
| **Esperanto** | |
| 15.30-16.00 | 5970, 7125, 7145 9525, 11725, 11800, 11955 |
| **Finnish** | |
| 16.00-16.27 | 7125, 9525 |
| 19.00-19.27 | 6135, 7125 |
| **French** | |
| 11.00-11.10 / 12.15-12.35 | 9540, 11725, 11800 11815, 11955 |
| 16.30-17.00 | 11800, 11955 |
| 17.30-17.57 | 9570, 11800, 11955 |
| 20.00-20.30 | 5970, 6005, 7145 |
| 21.30-21.55 | 5970, 6005, 7145 |
| 22.00-22.30 | 1502, 5970, 7285 |
| **German** | |
| 11.30-11.55 | 1502, 7125 9525, 11840 |
| 17.00-17.30 | 1502, 5970, 6135 7285, 9570 |
| **German** | **kHz** |
| 18.30-19.00 | 1502, 5970 7145, 7285 |
| 19.30-20.00 | 7145, 5970 |
| 21.00-21.30 | 5970, 6005, 6135 |
| **Italian** | |
| 10.30-11.00 | 1502, 7125, 9525 9540, 11725, 11800 11815, 11840 11955 |
| 11.15-11.45 | 9540, 11725, 11800 11815, 11955 |
| 17.00-17.30 | 7125, 7145 |
| 18.00-18.30 | 1502, 7285 9675, 11955 |
| 20.00-20.30 | 9675, 11955 |
| 21.00-21.30 | 1502, 7125, 7145 7285, 9675, 11955 |
| **Polish** | |
| 06.00-06.30 | 1502, 6135, 7125 |
| **Polish** | |
| 06.00-06.30 | 7145, 9570 9675, 11955 |
| 06.30 06.55 | 6135, 7145, 9570 9675, 11955 |
| 07.00-07.30 / 08.00-08.30 | 9570, 9675 11840, 15275 |
| 12.30-13.30 | 9540, 9675 11725, 11800 |
| 15.00-15.30 | 5970, 7125, 7145 9525, 11725 11800, 11955 |
| 16.00-16.30 | 5970, 7145 |
| 16.30-17.00 | 5970, 7145, **11725** |
| 17.30-18.30 | 5970, 7145, **9570** |

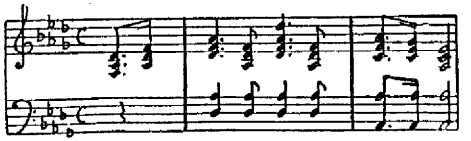
| Polish | kHz |
|---|---|
| 18.00-18.30 | 6135, 7125 |
| 19.00-19.30 | 5970, 7145 |
| 20.30-21.00 | 1502, 6005, 7285 |
| 22.30-23.00 | 1502, 5970, 7285 |
| 23.00-23.30 } | 6005, 6135 |
| 00.00-02.00 } | 7145, 9675 |
| 23.03-23.30 | 737, 1259, 1367 |
| 23.30-24.00 | 737, 818, 1259 1367 |
| **Spanish** | |
| 13.30-14.00 | 9540, 9675 11725, 11800 |
| 17.00-17.30 | 11800, 11955 |
| 20.30-21.00 | 7145, 11955 |
| 23.00-23.30 | 1502, 5970, 7125 |
| 23.30-24.00 | 6005, 6135 7145, 9675 |
| **Swedish** | |
| 11.00-11.30 | 1502, 7125 9525, 11840 |
| 16.30-17.00 | 1502, 7285 |

| Swedish | kHz |
|---|---|
| 17.30-18.00 | 6135, 7125 |
| 20.00-20.30 | 6135, 7125 |
| **Concerts** | |
| 06.30-07.00 | 1502, 7125 |
| 12.30-14.00 | 1502, 11955 |
| 15.00-16.30 | 1502, 7285 |
| 19.00-20.30 | 1502, 7285 |
| 23.30-01.00 | 1502, 5970, 7125 |
| **TO AFRICA** | |
| **English** | **kHz** |
| 12.00-12.30 } | 7125, 15275, 17800 |
| 13.00-13.30 } | |
| 19.00-19.30 | 9675, 11725, 11955 |
| 22.00-22.30 | 7125, 7145, 9570 9675, 11815, 11955 |
| **French** | |
| 12.30-13.00 } | 7125, 15275, 17800 |
| 13.30-14.00 } | |
| 18.30-19.00 | 9675, 11725, 11955 |
| 22.30-23.00 | 7125, 7145, 9675 9570, 11815, 11955 |

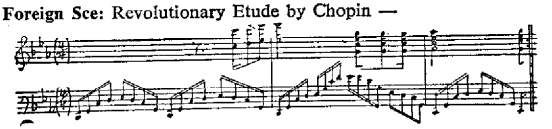
**DX-PRGR:** **English:** 2nd Fri of the month 18.30 and following Mon 21.30. **Swedish:** Thurs 17.30, 21.30. **Danish:** Wed 16.30, 19.30 (fortnightly).
**ANN:** **Home Sce:** "This is Polskie Radio Warsaw" (or another station when local programme) — "Tu Polskie Radio Warszawa" — **Foreign Sce:** **E:** "This is Warsaw calling" — **Polish:** "Mówi Warszawa" — **F:** "Ici Varsovie etc" — **G:** "Hier spricht Warszawa" — **Sp:** "Habla Radio Varsovia" — **I:** "Qui Radio Varsavia" — **Danish:** "Her er Warszawa" — **Swedish:** "Här är Polens Radio Warszawa".
**INT-SIG:** **Home Sce: Warsaw National, Warsaw I:**



**Warsaw II:** First movement of Polonaise in A flat major by Chopin.



**Foreign Sce:** Revolutionary Etude by Chopin —



**V.** by QSL-card and letter. Re. to Polskie Radio. Al Niepodleglosci 75/77, Warsaw — **PUB:** "Radio i Telewizja" (weekly), Polish Radio and Television Bulletin (monthly) — **FI:** By licence payments — **AD:** 7% of broadc. time — **ALF:** 180,- Zlotys'.

**POLISH PATHFINDERS STATION** (Operated by the Polish Pathfinders Union) — **ADDR:** Konopnickiej 6, Warsaw — **L.P:** Gen. Dir: M. Kasprzyk. Dir. Tec: J. Sieluzycki.
**HOME SCE. in Polish:** D 11.00-17.00 (exc. Mon) on 6850kHz 43.80m 0.35kW, 7306lkHz 41.06m 0.35kW.
speaking) — **V.** by letter. Rp. — **F.Pl:** Power to 1kW.

## PORTUGAL

**L.T:** GMT+1 h — **Pr.L:** Portuguese.

**EMISSORA NACIONAL DE RADIODIFUSAO (Gov.)**
**ADDR:** Central Sce: Rua do Quelhas 2, Lisboa. **Cable:** "Emissora-Lisboa". **Te:** 538 PBX — Reg. Sce's: Emissor Reg. do Norte: Rua Cândido dos Reis, Porto — Emissor Reg. de Coimbra, Rua Dr. J. A. dos Reis (celas), Coimbra — Emissor Reg. do Sul, Faro — Emissor Reg. dos Açores, Ponta Delgada, Açores.
**L.P:** Dir. Gen: Dr. S. Ellegro. Dir. Tec: Eng. M. Bivar. Dir. Adm: Dr. C. Rogeiro. Dir Prgr: Eng. J. da Silva Dias. Head, Intern. & Cultural Exchange Dept: Dra. M. P. de Barros Santos.

### HOME SERVICE

**NETWORK I:** 07.00-01.00 (Sat 02.00).
**Medium Waves:**

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Lisboa I | 665 | 451 | 135 | Elvas | 1331 | 225 | 0.1 |
| Faro | 557 | 539 | 1 | Viseu | 1358 | 221 | 1 |
| Guarda | 557 | 539 | 1 | Porto | 1367 | 219 | 10 |
| Norte I | 719 | 417 | 25 | Coimbra | 1448 | 207 | 1 |
| Portalegre | 1484 | 202.2 | 0.1 | Covilhã | 1562 | 192 | 1 |

**Short Waves** (to Atlantic) (G.C: 08.40W/38.45N):
Lisboa: 11925kHz 25.16m 10kW: 09.00-21.00 — 6025kHz 49.79m 10kW: 21.20-01.00 — Ponta Delgada (Azores): 4865kHz 61.66m 1kW: 14.00-15.00, 20.00-24.00.

| FM | MHz | kW | | MHz | kW | | MHz | kW |
|---|---|---|---|---|---|---|---|---|
| Lisboa I | 95.7 | 12 | Guarda I | 94.7 | 0.5 | Lousã II | 89.3 | 22 |
| Porto I | 96.7 | 22 | Lisboa II | 94.3 | 12 | Monchique II | 91.5 | 2.5 |
| Lousã I | 87.9 | 40 | Porto II | 92.5 | 22 | | | |
| Monchique | 88.9 | 2.5 | | | | | | |

**NEWS:** 07.05, 08.00, 09.00, 11.00, 12.00, 13.00, 15.00, 16.30, 18.00, 19.00, 20.30, 22.30, 24.00, 00.50.
**NETWORK II:** 08.00-17.00 (Sun 09.25), 18.00 (Sun 12.00)-22.00. Lisboa II 755kHz 397m 135kW — Norte II 1061kHz 283m 25kW+FM st's II.
**ANN:** "Emissora Nacional, a transmitir com... (regional tr's)".

### OVERSEAS SERVICE

**Short Waves:** 7x100kW, 1x50kW, 1x10kW. (G.C: 08.40W/38.45N). All st's located at S. Gabriel — studios in Lisboa. All tr's directional. Call: CSA---.
**Short Waves:**

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 5985 | 50.13 | 9630 | 31.15 | 15380 | 19.50 | **17895** | 16.76 |
| 6025 | 49.79 | 9680 | 30.99 | 17740 | 16.91 | 21495 | 13.96 |
| 6185 | 48.50 | 11840 | 25.34 | 17890 | 16.77 | 21660 | 13.85 |
| 7130 | 42.08 | 11935 | 25.14 | 17880 | 16.78 | **21700** | 13.83 |
| 9585 | 31.30 | 15125 | 19.83 | | | | |

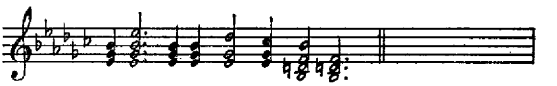
**Remarks:** Powers indicated are the power at carrier level.

**PORTUGUESE SCE:**
**Areas:** I) Timor; II) Macau; III) Goa (Port. India); IV) S. Tomé/Angola/Mozambique; V) Guinea/Cape Verde/Brasil.

| H of tr. | Area | kHz | N |
|---|---|---|---|
| 04.45-07.00 | IV | 7130/11840 | 05.00, 06.45 |
| 09.15-13.30 | I/II | 15125/21495 | 09.30, 10.30, 12.00, **13.15** |
| 09.15-13.30* | IV | 17835/21700 | 09.30, 10.30, 12.00, **13.15** |
| 13.45-17.00*** | V | 15125/21700 | 14.00, 16.45 |
| 15.00-17.00*** | III | 17895/21495 | 15.30, 16.30 |
| 15.15-21.15** | IV | 11840/15125 | 17.30, 18.30, 20.00 |

* Sun 09.15-17.15, ** Sun 13.45-21.45, *** exc. Sun.

**ANN:** "Aqui Lisboa, Serviço Ultramarino da Emissora Nacional" — **INT-SIG:** T.S. and National Anthem.



**V.** by QSL-card. Recordings accepted — **PUB:** "Rádio e Televisão".

### INTERNATIONAL SERVICE ("The Voice of the West")

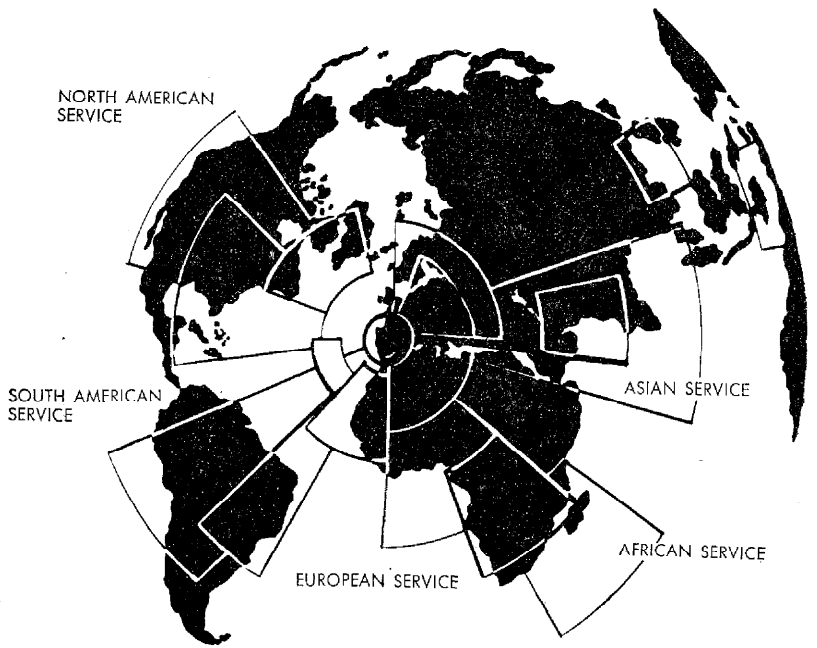
**ADDR:** Radio Portugal, Rua do Quelhas 21, Lisboa.
**Areas:** V=Europe; VI=Australia/NZ; VII=Japan/Far East; VIII=So. Ea. Asia; IX=Africa; X=So. America; XI=No. America; XII=Canada; XIII=Brazil; XIV=U.S.A./Canada/Portuguese Fishing Fleet.
**Medium Waves Service:**

| H of tr. | L | Area | kHz | | N |
|---|---|---|---|---|---|
| 22.00-22.45 | French | Europe | 755, | 1061 | 22.00 |
| 22.45-23.30 | English | Europe | 755, | 1061 | 22.45 |
| 23.30-00.15 | German | Europe | 755, | 1061 | 23.30 |

**Short Waves Service:**

| English | Area | kHz | French | | |
|---|---|---|---|---|---|
| 07.30-08.15 | VI | 17740/17890 | 07.00-07.45 | V | 5985/7130/9635 |
| 08.15-09.00 | VII | 11840/21495 | | | |
| 13.45-14.30 | VIII | 17895/21495 | 17.30-18.15 | IX | 17880/21495 |
| 18.15-19.15 | IX | 17880/21495 | 18.30-19.15 | V | 5985/7130/9635 |
| 20.45-21.30 | V | 6025/7130/ | | | |
| 02.00-02.45* | XI | 5985/6185/9635 | 02.15-03.00 | XII | 5985 |
| 03.00-03.45 | XI | 5985 | **German** | | |
| 03.45-04.30** | XI | 5985/6185/9635 | 07.45-08.30 | V | 5985/7130/9635 |

# RADIO PORTUGAL CALLING...




**DAILY BROADCASTS**

ENGLISH
FRENCH
SPANISH
GERMAN
ITALIAN
CONCANIM

RUA DO QUELHAS 21
LISBON – PORTUGAL

| German | Area | kHz | Portuguese | Area | kHz |
|---|---|---|---|---|---|
| 20.00-20.45 | V | 5985/7130/9635 | 21.30-00.50 | XIII | 9670/11840 |
| | | | 00.00-01.45 | XIV | 6025/6185 |
| **Italian** | | | 02.45-03.30 | XIV | 6025/6185 |
| 19.15-20.00 | V | 5985/7130/9635 | 04.45-07.00 | V | 6185/7225 |
| | | | **Spanish** | | |
| **Konkani** | | | 01.00-01.45 | X | 9635/11840/15125 |
| 14.30-15.15(W) VIII17895/21495 | | | | | |

**Note:** additional freq's may be used besides the above mentioned. *) to Eastern No. America; **) to Western No. America. See last minute details.

**NEWS: English:** 07.30, 08.15, 13.45, 18.15, 20.45, 02.00, 03.45, 04.00. **French:** 07.00, 17.30, 18.30, 02.15. **German:** 07.45, 20.00. **Italian:** 19.15. **Konkani:** 14.45. **Portuguese:** 22.00, 23.30, 00.15, 03.00, 05.00, 06.45. **Spanish:** 01.00.

**DX-Prgr:** In English: Every Mon 07.45, 08.30, 14.00, 18.30, 21.00, 23.00, 02.15, 04.00, 04.15. In German: 1st and 3rd Fri: 08.00, 20.15, 23.45.

**ANN:** E: "This is R. Portugal speaking to you from Lisbon". F: "Ici R. Portugal qui vous parle de Lisbonne". Sp: "Esta es R. Portugal que habla desde Lisboa. I: "Qui R. Portogallo che vi parla da Lisbona". G: "Hier spricht R. Portugal aus Lissabon". Konkanin: "Lisboa xarantlo Radio".

**INT-SIG:** Signature tune of foreign language broadc. is the opening bars of the Fifth Symphony by Beethoven. Closes with National Anthem — **V.** by special QSL-card. Recordings accepted — **PUB:** R. Portugal Listeners Magazine, quarterly (in each language) free of charge — **ALF:** Esc. 100,-.

**R. UNIVERSIDADE (Gov. — Ministry of Nat. Education)**
**ADDR:** R.D. Estefania 14, Lisboa 1. **Te:** 41884.
**HOME SCE:** Cultural and informative prgrs. mainly: W 17.00-17.55, Sun 09.30-11.55 on 755kHz (Lisboa 11).
**ANN:** "R. Universidade, estudios do Centro Universitário de Lisboa da Mocidade Portuguesa, a transmitir por intermédio da estação Lisboa II da Emissora Nacional" — **INT-SIG:** Opens with "Gaudeamus Igitur" and closes with the "March da Mocidade Portuguesa" — **V.** by QSL-card. Recordings accepted — **PUB:** monthly bulletin free.

**RADIO RENASCENCA (Rlg, Catholic)**
**ADDR:** Emissora Catolica Portuguesa, Rua Capelo 5.2°, Lisbon. **STATIONS:** Lisboa CSB3 1286kHz 233.3m 2.5kW — CSB52 6155kHz 48.74m 3kW (G.C: 09.12W/38.45) — Porto CSB30 1169kHz 256.6m 10kW.
**FM:** Lisboa 93.2MHz 18kW — Porto 93.7MHz 5kW — Lousa 91.7MHz 25kW — Muro 90.4MHz 12kW — Monchique 98.6MHz 6kW — Bornes 89.6MHz 5kW — Marofa 94.2MHz 6kW — Gardunha 99.5MHz 1kW — Portalegre 95.3MHz 1kW — Mendro 96.5MHz 6kW.
**HOME SCE:** 07.00-02.00 — **N:** 08.25, 12.45, 20.30.
**ANN:** "R. Renascenca — Emissora Católica Portuguesa" — **INT-SIG:** Gong. Prgr's open with a religious choir — **V.** by QSL-card.

**RADIO CLUBE PORTUGUES (Comm.)**
(Sociedade Anónima Cooperativa de Responsabilidade Lda.)
**ADDR:** Central Office: Rua Sampaio e Pina 26, Lisboa 1. **Cable:** Radioclube. **Te:** 682071. **Telex:** 596 — No. Branch: Delegação do Norte, Rua de Ceuta 53, Porto. **Te:** 23863. **Telex:** 742 — **L.P:** Gen. Mgr: A. Lima Basto. Dir. Tec: M. Menezes.

| **STATIONS:** | | **kHz** | **m** | **kW** | **h of tr.** |
|---|---|---|---|---|---|
| Miramar | CSB9 | 782 | 383.6 | 100 | 07.00-02.00 |
| Lisboa | CSB2 | 1034 | 290.1 | 50 | 24 h |
| Lisboa | CSB51 | 6080 | 49.34 | 10 | 24 h |

FM Network: Lisboa 97.4MHz, Foia 88.1MHz, Lousã 90.8MHz, Portalegre 98.9MHz, Mendro 92.0MHz: 07.00-01.00. **N:** 00.00, 01.00, 03.00, 05.00, 06.00, 07.00, 08.00, 09.00, 11.00, 13.00, 15.00, 17.00, 19.00, 20.00, 21.00, 22.00, 23.00 — **ANN:** "R. Clube Portugues" — **INT-SIG:** Gong — **V.** by QSL-card. Recordings accepted — **AD:** 15% of broadc. time.

**EMISSORES ASSOCIADOS DE LISBOA (Comm.)**
**ADDR:** Rua de Campolide 27, 6°D°, Lisboa 1. **Te:** 683450.

**Studios:** R. Voz le Lisboa: Av. Infante Santo 53, Lisboa 3. Clube Radiofónico de Portugal: R. Carlos Mardel 5, Lisboa 1. R. Graça: R. Verónica 126, Lisboa 2. R. Peninsular: R. Fialho Almeida 3, Lisboa 1.
**STATIONS:** CSB4 1594kHz 188m 10kW — **FM:** CSB266 99.4 MHz 1kW.
**HOME SCE:** D 07.00-02.00. **N:** 12.20, 20.30 — **ANN:** "CSB4, Estação de Emissoras Associados de Lisboa" — **INT-SIG:** String chords (guitar) — **V.** by QSL-card — **FI:** Priv. (4 partners).

**EMISSORES DO NORTE REUNIDOS (Comm.)**
**ADDR:** R. D. João IV 960, Porto. **Te:** 30781.
**STATIONS:** CSB5 1578kHz 190.7m 10kW — FM: CSB84 91.31 Mc kW.
**HOME SCE:** 07.00-03.00. **N:** 13.00, 23.45 — **ANN:** "Aqui Porto Emissores do Norte Reunidos a transmitir..." — **V.** by QSL-card or letter. Recordings accepted.

**RADIO RIBATEJO (Comm).**
**ADDR:** Av. 5 de Outubro, 34, Santarem. **Te:** 363 — **L.P:** Dir. Gen: J. Varela Santos. Dir. Tec: A. V. Santos.
**STATION:** 1322kHz 226.9m 0.5kW.
**HOME SCE:** W 10.00-20.00, Sun 08.00-20.00 — **N:** 11.45, 13.45, 19.30 — **INT-SIG:** Gong — **V:** by QSL-card and turistic guides of the Province of Ribatejo. Re. in P, Sp, F, E.

**R. ALTO DOURO (Priv.)**
**ADDR:** Rua Ribeira Grande 181, Porto — **L.P:** St. Mgr: M. Dias de Oliveira — **STATION:** 800kHz — **HOME SCE:** 12.00-14.00.

## RUMANIA (Socialist Rep.)

**L.T:** GMT+2 h — **Pr.L:** Rumanian.

**RADIODIFUZIUNEA SI TELEVIZIUNEA ROMANA**
**ADDR:** P.O.B. 111, Bucuresti. **Te:** 134610. **Cable:** Radiotelevizziunea. **Telex:** 251 — **L.P:** Pres: V. Cazacu. Vice Pres: G. Ionescu, I. Grigorescu, B. Ionita, O. Paler, M. Manea. Head Foreign Rel: D. Natu.

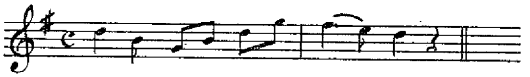
| **STATIONS:** | **kHz** | **m** | **kW** | | **kHz** | **m** | **kW** |
|---|---|---|---|---|---|---|---|
| Brasov | 155 | 1935 | 1200 | Craiova | 1313 | 228.5 | 2 |
| Bucuresti | 557 | 539 | 5 | Oradea | 1430 | 210 | 6 |
| Timisoara II | 629 | 477 | 30 | Craiova | 1457 | 206 | 20 |
| Timisoara I | 755 | 397.3 | 135 | Brasov | 1484 | 202.2 | 2 |
| Bucuresti I | 854 | 351.3 | 150 | Baia Mare | 1484 | 202.2 | 2 |
| Miercurea | 908 | 330 | 7 | Resita | 1484 | 202.2 | 2 |
| Bacau | 1052 | 285.3 | 50 | Sibiu | 1484 | 202.2 | 2 |
| Cluj | 1151 | 260.6 | 50 | Tg. Mures | 1484 | 202.2 | 2 |
| Constanta | 1313 | 228.5 | 2 | | | | |

**HOME SERVICE**

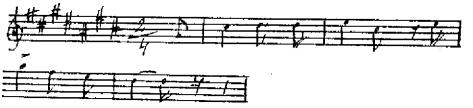
**1st Prgr:** On 155kHz: 03.00 (Sun 04.00)-01.00; On 557kHz: 03.00 (Sun 04.00)-22.00; On 629/1484kHz: 03.00 (Sun 04.00)-10.00 (Sun 18.00); On FM: 66.74/70.04/72.74MHz: 03.00 (Sun 04.00)-14.00. **N:** W 03.00, 03.30, 04.30, 05.00, 07.00, 09.00, 11.00, 13.00, 14.00, 16.00, 20.00, 22.00, 00.55. Sun 04.00, 05.00, 09.00, 11.00, 18.00, 20.00, 22.00, 00.55 — **Wrp:** W 11.00, 14.00, 20.00. Sun 11.00, 20.00. **Wrp. + suggestions for drivers:** W 04.00, 05.00, 13.00, 00.00, 00.55. Sun 05.00, 00.00, 00.55.
**2nd Prgr:** W 05.00-23.00 (Sat 24.00) on 854/1313/1484/1430kHz + FM 71.18/72.08/68.36MHz.
05.00-05.30 on 755kHz, 05.00-15.00 on 1457kHz, 05.30-10.00 on 1052kHz, 05.45-10.00 on 755/908/1151kHz, 10.00-23.00 (Sat 24.00) on 629kHz, 10.45-12.30 on 755kHz, 11.00-14.00 on 1052kHz, 11.30-12.30 on 908/1151kHz, 13.00-14.00 on 755kHz, 14.15-15.00 on 755kHz, 17.00-23.00 (Sat 24.00) on 908/1052/1151/1457kHz. **Sun** 04.00-23.00 on 854/1313/1484/1430kHz + 71.18/72.08/68.36MHz, 04.00-05.00 on 755/908/1151kHz, 04.00-06.00 on 1457kHz, 06.30-08.00 on 755kHz, 06.30-23.00 on 1457kHz, 06.00-14.00 on 1052kHz, 07.30-08.00 on 908/1151kHz, 09.00-14.30 on 755/908/1151kHz, 15.15-17.00 on 755kHz, 15.15-23.00 on 755/908/1151kHz, 18.00-23.00 on 629/1052kHz.
**N:** W 05.30, 06.30, 08.00, 10.00, 12.00, 15.00, 17.00, 19.00, 21.00, 22.55, 23.55 (Sat). Sun 04.30, 05.30, 08.00, 12.00, 14.00, 17.00, 19.00, 21.00, 22.55 — **Wrp:** W 10.00, 15.00. Sun 12.00 — **Wrp + suggestions for drivers:** W: 05.30, 12.00, 22.55. Sun 22.55.
**3rd Prgr:** 14.00-22.00 on 72.74/70.04/66.74MHz. **N:** W 16.00, 19.30. Sun 14.00, 17.30, 19.30.

**REGIONAL SERVICES**

**R Bucharest** (on 755/908/1151kHz): **Hungarian** W 05.30-05.45, 14.00-14.15, 16.45-17.00 (not on 755kHz). Sun 08.20-08.40, 14.30-15,15 — **German:** W 04.45-05.00 (755kHz only), 12.30-13.00. Sun 08.00-08.20, 08.40-09.00.
**R. Cluj.** (on 908/1151kHz): **Rumanian:** W 04.15-05.00, 10.00-10.30, 13.00-14.00. Sun 05.00-05.45 — **Hungarian:** W 05.00-05.30, 10.30-11.00, 16.00-16.45. Sun 05.45-06.30.
**R. Tg. Mures** (on 908/1151kHz): **Rumanian:** 03.00-03.30, 15.00-16.00 — **Hungarian:** 03.30-04.15, 11.00-11.30, 14.15-15.00.
**R. Timisoara** (on 755kHz): **Rumanian:** W 04.00-04.20, 10.00-10.10, 15.30-17.00. Sun 05.00-05.15 — **German:** W 04.20-04.30, 10.10-10.15, 15.00-15.30. Sun 05.15-05.30 — **Serbian:** W 04.30-04.45, 10.15-10.45. Sun 05.30-06.30.
**R. Craiova** (on 1457kHz): W 04.30-05.00, 15.00-17.00. Sun 06.00-06.30.
**R. Jasi** (on 1052kHz): W 03.30-05.30, 10.00-11.00, 14.00-17.00 (Fri 21.00). Sun 04.00-06.00, 14.00-18.00.
**ANN:** Opening: 1st Prgr: "Aici Bucuresti. Dragi Ascultători, bună dimineata. Transmitem programul nostru pe statiile de radio cu lungimile de undă..." — 2nd Prgr: "Aici Bucuresti. Transmitem programul II pe statiile de radio cu lungimile de undă de..." Close down: 1st Prgr: "Aici Bucuresti. Emisiunea programului I s-a terminat. Ascultati-ne din nou mâine dimineată la ora 5 pe statiile de radio cu lungimile de undă de... Dragi ascultători, noapte buna." — 2nd Prgr: "Aici Bucuresti. Emisiunea programul II s-a terminat. Ne vom intâlni din nou cu ascultătorii nostri la ora 5".
**INT-SIG: Home Sce. 1st Prgr:**



**Home Sce. 2nd Prgr:**



**FOREIGN SERVICE**
**STATIONS:** 755kHz 130kW, others 120kW (G.C: 26.06E/44.25N)

| **kHz** | **m** | **kHz** | **m** | **kHz** | **m** | **kHz** | **m** |
|---|---|---|---|---|---|---|---|
| 755 | 397.3 | 7225 | 41.52 | 11810 | 25.40 | 15250 | 19.67 |
| 5990 | 50.08 | 9510 | 31.55 | 11920 | 25.17 | 15380 | 19.50 |
| 6150 | 48.78 | 9570 | 31.35 | 11940 | 25.13 | 17775 | 16.88 |
| 6190 | 48.47 | 9590 | 31.28 | 15225 | 19.70 | 17850 | 16.81 |
| 7195 | 41.70 | | | | | | |

**TO EUROPE**

| **English** | **kHz** |
|---|---|
| 13.00-13.30 | 15250, 17850 |
| 19.30-20.30 | 5990, 7195 |
| 22.30-23.00 | 5990, 7195 |
| **French** | |
| 11.30-12.00 | 11810, 11920 15250 |
| 18.30-19.00 | 6150, 7195, 7225 9570 |
| 20.30-21.00 | 5990, 7195 |
| 21.30-22.00 | 5990, 7195 |
| **German** | |
| 12.00-12.30 | 11920, 15250 |
| 19.30-20.00 | 6150, 7225 |
| 21.00-22.00 | 755 |
| 22.00-22.30 | 6150, 7225 |
| **Greek** | |
| 12.00-12.30 | 9590, 11920 |
| 18.00-18.30 | 755 |
| 20.30-21.00 | 755 |
| **Italian** | |
| 12.30-13.00 | 9590, 11920 |
| 19.30-20.30 | 755 |
| 22.00-22.30 | 755 |
| **Portuguese** | |
| 21.00-21.30 | 6150, 7195, 9570 |
| **Rumanian** | |
| 20.00-20.30 | 6150, 7225 |
| 22.00-22.30 | 5990, 7195 |
| 22.30-23.00 | 755 |
| **Serbian** | |
| 17.00-17.30 | 755 |
| 19.00-19.30 | 755 |
| **Spanish** | |
| 11.30-12.00 | 15225, 17850 |
| 19.00-19.30 | 9510, 7225 |
| 20.30-21.00 | 6150, 7225 |
| 21.30-22.00 | 6150, 7225 |

**TO ASIA**

| **English** | **kHz** |
|---|---|
| 15.00-15.30 | 17775 |
| **Persian** | |
| 15.30-16.00 | 9510. 9570, 11940 15250 |
| 17.00-17.30 | 7195, 7225, 9570 11940 |

**TO AFRICA**

| **Arabic** | **kHz** |
|---|---|
| 16.00-16.30 | 9510, 11940, 15250 |
| 18.00-18.30 | 7195, 7225, 9510 9570 |
| **Arabic** | **kHz** |
| 19.00-19.30 | 7195, 9570 |
| **English** | |
| 15.00-15.30 | 11810, 15380 17850 |
| **French** | |
| 11.30-12.00 | 15380 |
| 17.30-18.00 | 11940, 15250 17775 |

**TO NEAR EAST**

| **Arabic** | **kHz** |
|---|---|
| 16.00-16.30 | 9570, 9510, 11940 |
| 18.00-18.30 | 7225, 9510 |
| **Turkish** | |
| 16.30-17.00 | 5990, 6150, 6190 7195 |
| 17.30-18.00 | 755 |

**TO NORTH AMERICA**

| **English** | **kHz** |
|---|---|
| 01.30-02.30 | 6150, 6190, 9510 9590, 11810, 11940 |
| 03.00-03.30 | 6150, 6190, 9510 |
| 04.30-05.00 | 9570, 9590 11810, 11940 |
| **Rumanian** | |
| 23.15-24.00 | 6150, 6190, 9510 |
| 03.30-04.00 | 6150, 6190, 9510 9570, 9590, 11810 11940 |
| **Yiddish** | |
| 02.30-03.00 | 6150, 6190, 9510 9590, 11810, 11940 |

**TO LATIN AMERICA**

| **Portuguese** | **kHz** |
|---|---|
| 22.30-23.00 | 9570, 11940 |
| 01.00-01.30 | 6150, 6190, 9510 9590, 11810, 11940 |
| **Spanish** | |
| 00.00-01.00 | 6150, 6190, 9510 9590, 11810, 11940 |
| 04.00-04.30 | 6150, 6190, 9510 9570, 9590, 11810 11940 |
| **Rumanian** | |
| 03.30-04.00 | 6150, 9510, 11810 11940 |
| **Yiddish** | |
| 02.30-03.00 | 6150, 9510, 11810 11940 |

# THIS IS BUCHAREST CALLING ...

*RADIO BUCHAREST addresses you every day in 13 languages:*

Arabic, English, French, German, Greek, Iranian, Italian, Portuguese, Romanian, Serbian, Spanish, Turkish and Yiddish.

If you want to get details about the life in Romania, about the achievements of the Romanian people, about their culture, science and art, about the Romania's viewpoint on the present international problems, listen to RADIO BUCHAREST.

The broadcasts also include Listeners' Letterbox, answers to Listeners' questions, request music, special programmes for radio amateurs, stamp collectors and tourists.

*RADIO AMATEURS:*

Radio Bucharest confirms all your correct reception reports. 6 new QSL cards are at your disposal this year.

**ADDRESS**

**YOUR QUESTIONS**

**WISHES**

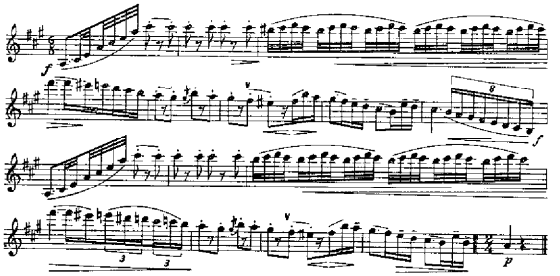
**SUGGESTIONS**

**TO**

## RADIO BUCHAREST - ROMANIA

**ANN:** E: "This is Bucharest calling ... in the ... meter bands, that is ... kHz with today's first (second, third) broadcast in English". F: "Ici Bucarest. C'est Bucarest qui vous parle sur ... Bonjour chères auditrices, bonjour chers auditeurs. Veuillez écouter cette émission en langue française, au cours de laquelle nous diffuserons ... En espérant que cette émission vous est bien parvenue, nous vous disons: Au revoir chères auditrices, au revoir chers auditeurs". I: "Parla Bucarest. E Bucarest che vie parla nella sua prima (seconda, terza) trasmissione della giornata su onde ... di metri ... Qui è Radio Bucarest. In nostra prima (seconda, terza) trasmissione è terminata. A risentirci". Sp: "Aquí Bucarest. Muy buenas noches estimados oyentes. Comienza nuestra emisión en lengua española por campos de onda de ... metros". G: "Hier ist der Rumänische Rund- und Fernsehfunk mit der Sendung in deutscher Sprache. Sie hören uns auf Kurzwelle ... gleich ... kHz und auf Mittelwelle ... Liebe Hörerinnen und Hörer, R. Bukarest wünscht Ihnen Gute Nacht".

**INT-SIG:**



**V.** by QSL-card — **PUB:** "Programul de Radio si Televiziune.

## SPAIN

**L.T:** GMT+1 h — **Pr.L:** Spanish.

**RADIO NACIONAL DE ESPANA (Gov.)**
**ADDR:** General Yagüe 1, Madrid 20. **Te:** 2784600 — **L.P:** Dir. Gen. Broadc. TV: J. Aparicio Bernal. Vice Dir. Gen. Broadc: M. Aznar. Acedo. Chief of Foreign Radio & TV Prgr. Sce: F. Fernandez Shaw. Dir. R. Nacional Network: J. M. Riancho Sanchez. Asst. Dir. RNE Network: R. Ramos Losada. Secr. RNE Network: F. Navarro Gonçalves. Dir. Tec. & Engineering Sce: A. Prieto de Arozarena. Chief Home Prgr: L. Rodriguez Machado. Chief Second Prgr: G. Vivó Bazo. Chief Third Prgr: A. M. Campoy Alias. Chief Foreign Prgr. Sce: L. de Andres Frutos. Chief Music Dept: E. Manera. Chief Adm. Sce: J. L. Diez Crespo. Chief N. Sce: F. Ramos Moreno. Public & Foreign Rel. Officer: E. Pascual Souto.

**HOME SERVICE**

| | kHz | m | kW | h or tr. |
|---|---|---|---|---|
| Oviedo | 548 | 547 | 50 | 06.00-00.30 |
| Madrid (Central) | 584 | 513 | 200 | 24 h |
| La Coruña | 638 | 470 | 100 | 07.00-00.10 |
| Sevilla | 683 | 439 | 250 | 24 h |
| Barcelona | 737 | 407 | 250 | 24 h |
| San Sebastian | 773 | 388 | 20 | 06.00-00.10 |
| Murcia | 854 | 351 | 125 | 06.00-00.10 |
| Madrid (Peninsular) | 989 | 303 | 50 | 06.00-01.00 |
| Malaga (Peninsular) | 1007 | 298 | 10 | 06.50-00.15 |
| Valencia (Peninsular) | 1079 | 278 | 25 | 06.30-00.30 |
| Barcelona (Peninsular) | 1178 | 255 | 20 | 05.55-01.00 |
| Cuenca (Peninsular) | 1187 | 253 | 5 | 07.45-24.00 |
| Madrid (3rd Prgr) | 1223 | 245 | 50 | 06.00-23.00 |
| Sevilla (Peninsular) | 1313 | 228 | 5 | 06.00-24.00 |

**SECOND PRGR:** (Musical Prgr. on FM only):

| | MHz | kW | | MHz | kW |
|---|---|---|---|---|---|
| Aitana | 88.5 | 12 | Madrid | 99.5 | 1.5 |
| Alfabia | 89.7 | 12 | Madrid | 98.1** | 1.25 |
| Bilbao | 90.6 | 0.5 | Malaga | 98.1 | 0.5 |
| Barcelona | 93.0 | 15 | Murcia | 98.1 | 0.5 |
| Barcelona | 98.5* | 15 | Madrid | 92.7 | 30 |
| Cuenca | 99.9 | 0.125 | Salamanca | 88.1 | 0.5 |
| Guadalcanal | 90.6 | 12 | Santiago | 98.1 | 12 |
| Jaizquíbel | 90.0 | 12 | Sevilla | 94.2 | 0.5 |
| La Coruña | 93.3 | 1.5 | Asturias | 94.2 | 12 |
| La Muela | 90.9 | 3 | Sollube | 92.7 | 4 |
| Lujar | 90.3 | 1.25 | Valencia | 92.0 | 1.2 |

*) 3rd prgr — **) R. Peninsular.

**EDUCATIONAL PRGR:**

| | MHz | kW | | MHz | kW |
|---|---|---|---|---|---|
| Alicante | 93.3 | 3 | Oviedo | 90.3 | 0.4 |
| Bilbao | 99.2 | 0.5 | Santiago | 89.7 | 0.5 |
| Jaizkibel | 92.1 | 6 | Sevilla | 98.8 | 0.5 |
| Zaragoza | 96.3 | 3 | Sollube | 95.3 | 3 |
| Murcia | 96.0 | 0.5 | Valencia | 95.1 | 1.2 |

**FOREIGN SERVICE**

**Madrid-Arganda** (G.C: 03.31W/40.18N):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 6130 | 48.94 | 100 | 9360 | 32.05 | 50 | 9760 | 30.74 | 20 |
| 6140 | 48.86 | 100 | 9370 | 32.01 | 100 | 11710 | 25.62 | 100 |
| 7105 | 42.22 | 100 | 9570 | 31.35 | 100 | 15420 | 19.45 | 100 |

**EUROPEAN AND OVERSEAS SERVICE**

**TO EUROPE**

**Czech/ Slovak**

| kHz |
|---|
| 06.30-07.30 9360 |
| 13.00-14.00 9760 |
| 17.00-18.00 9760 |

**English**

| kHz |
|---|
| 20.20-20.50 9360 |

**French**

| kHz |
|---|
| 20.50-21.20 9360 |

**German**

| kHz |
|---|
| 21.20-21.40 9360 |

**Hungarian**

| kHz |
|---|
| 07.30-08.00 9360 |
| 14.00-14.30 9760 |
| 18.00-18.30 9760 |

**Italian**

| kHz |
|---|
| 21.40-22.00 9360 |

**Polish**

| kHz |
|---|
| 08.00-09.00 9360 |
| 14.30-15.30 9760 |
| 18.30-19.30 9760 |

**Serbo-Croat**

| kHz |
|---|
| 09.00-09.30 9360 |
| 15.30-16.00 9760 |
| 19.30-20.00 9760 |

**Spanish**
13.00-22.00 6140, 7105, 9570

**Ukrainian** kHz
05.30-06.30 9360
12.00-13.00 9760
16.00-17.00 9760

**TO MOROCCO**

| Spanish | kHz |
|---|---|
| 13.00-14.00 | 6130 |
| 19.30-20.30 | 6130 |
| 23.00-24.00 | 6140 |

**TO SP. GUINEA**

| Spanish | kHz |
|---|---|
| 07.30-08.00 | 9370 |
| 11.00-11.30 | 9370 |
| 18.00-22.45 | 9370 |

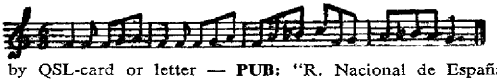
**TO U.S.A./CANADA**

| English | kHz |
|---|---|
| 01.00-01.45 | 6130, 9760 |
| 02.00-02.45 | 6130, 9760 |
| 03.00-03.45 | 6130, 9760 |

**TO LATIN AMERICA**

| Spanish | kHz |
|---|---|
| 23.00-05.00 | 9360, 9570, 11710 15420 |

**ANN:** E: "This is the Voice of Spain broadc. from the Spanish National Radio" — **INT-SIG:** Gong and the following tune:



**V.** by QSL-card or letter — **PUB:** "R. Nacional de España".

**CADENA AZUL DEL MOVIMIENTO**
The Cadena Azul del Movimiento belongs to the Secretaría General del Movimiento.
**ADDR:** Generalísimo 142 and Reina 33, Madrid. **Te:** 2350640.

| STATIONS | Call | kHz | m | kW | h of tr. |
|---|---|---|---|---|---|
| La Voz de Valladolid | EFE- 1 | 1570 | 191.6 | 1 | 07.00-23.30 |
| La Voz de Palencia | EFE- 4 | 1133 | 264.8 | 2 | 07.00-23.00 |
| La Voz de León | EFE- 5 | 1570 | 191.6 | 2 | 07.00-23.00 |
| La Voz de Extremadura | EFE- 6 | 1133 | 264.8 | 5 | 07.00-23.00 |
| La Voz de Alicante | EFE- 8 | 1570 | 191.6 | 2 | 06.45-23.30 |
| La Voz de Alava | EFE-10 | 1570 | 191.6 | 1 | 07.00-15.30 |
| La Voz de Madrid | EFE-14 | 1079 | 278.0 | 20 | 05.55-03.00 |
| La Voz de Levante | EFE-17 | 1570 | 191.6 | 5 | 07.00-23.30 |
| La Vov de Castellon | EFE-19 | 1133 | 264.8 | 1 | 07.00-23.00 |
| La Voz del Principado de Asturias | EFE-22 | 1133 | 264.8 | 5 | 07.00-01.00 |
| La Voz de Guipuzcoa | EFE-23 | 1570 | 191.6 | 5 | 07.00-23.00 |
| La Voz de Cantabria | EFE-25 | 1570 | 191.6 | 2 | 07.00-24.00 |
| Le Voz de Vigo | EFE-31 | 1133 | 264.8 | 5 | 07.00-24.00 |
| La Voz del Mediterraneo | EFE-33 | 1133 | 264.8 | 5 | 07.00-24.00 |
| La Voz de Andalucía | EFE-58 | 1570 | 191.6 | 15 | 07.00-23.30 |
| La Voz de Navarra | EFE-57 | 1133 | 264.8 | 5 | 07.00-17.00<br>20.00-23.01 |
| **R. J=Radio Juventud** | | | | | |
| R.J. de Cataluña | EFJ-15 | 1025 | 292.6 | 5 | 06.00-02.00 |
| R.J. de Huelva | EFJ-51 | 836 | 358.9 | 5 | 07.00-02.00 |
| R.J. de Soria | EFJ- 2 | 1574 | 190.6 | 2 | 08.00-15.00<br>18.00-23.00 |
| R.J. de Cádiz | EFJ- 5 | 1097 | 273.5 | 2 | 08.00-24.00 |
| R.J. de Galicia | EFJ-11 | 1385 | 216.6 | 2 | 07.00-01.00 |
| R.J. de Murcia | EFJ-19 | 1133 | 264.8 | 2 | 07.00-01.00 |
| R.J. de Albacete | EFJ-23 | 1574 | 190.6 | 2 | 08.00-24.00 |
| R.J. de Almería | EFJ-25 | 1133 | 264.8 | 2 | 08.00-24.00 |
| R.J. de Ponferrada | EFJ-29 | 1133 | 264.8 | 2 | 08.00-15.00<br>18.00-23.00 |
| R.J. de Béjar | EFJ-38 | 1570 | 191.6 | 2 | 09.00-14.00<br>20.00-23.00 |
| R.J. de Asturias | EFJ-41 | 1097 | 273.5 | 2 | 07.00-00.15 |
| R.J. de Vizcaya | EFJ-43 | 1133 | 264.8 | 5 | 07.00-01.00 |
| R.J. de Baleares | EFJ-45 | 1385 | 216.6 | 2 | 08.00-24.00 |

# Spain

| | Call | kHz | m | kW | h. of tr. |
|---|---|---|---|---|---|
| R.J. de Zaragoza | EFJ-46 | 1133 | 264.8 | 5 | 07.00-01.00 |
| R.J. de Calahorra | EFJ-50 | 1133 | 264.8 | 2 | 08.00-15.00<br>18.00-23.00 |
| R.J. de Burgos | EFJ-52 | 1133 | 264.8 | 2 | 07.00-01.00 |
| R.J. de Malaga | EFJ-56 | 1133 | 264.8 | 5 | 07.00-02.00 |

**FM** (all st's 0.25kW exc. where indicated): La Voz de Madrid EFE-14) 98.9MHz 5kW; 06.00-03.00; La Voz del Ferrol (EFE15) 88.6MHz 0.3kW; 11.00-22.30; La Voz de la Costa Brava (EFE-40) 94.6MHz: 12.00-23.00: La Voz de Ausona (EFE-55) 91.2MHz: 10.00-22.30 — R. Juventud st's: España (EFJ-1) 88.8MHz 1kW; 09.00-24.00; Moron 87.9MHz 2kW; 08.00-23.00; Eibar (EFJ-42) 88.8MHz: 11.00-24.00; Cádiz (EFJ-5) 95.1MHz; Zaragoza (EFJ-46) 94.5MHz; Talavera (EFJ-37) 89.4MHz: 12.00-15.00, 19.30-22.30; Miranda de Ebro (EFJ-53) 89.7MHz: 10.00-16.00, 20.00-23.00; Mérida (EFJ-16) 92.4MHz: Cartagena (EFJ-26) 89.0MHz: 08.00-24.00; Torrelavega (EFJ-44) 89.4MHz: 10.30-23.00; Plasencia (EFJ-7) 88.8MHz: 09.00-16.00, 19.00-24.00; San Feliú de Llobregat (EFJ-14) 89.1MHz: 09.00-23.00; Barbastro (EFJ-21) 90.0MHz: 12.00-15.30, 19.30-24.00; Igualada (EFJ-4) 89.4MHz: 07.30-22.30; Málaga (EFJ-56) 92.5MHz: 09.00-20.00; Baleares (EFJ-45) 88.8MHz; Guadalajara 88.8MHz; Aranda de Duero (EFJ-52) 90.0MHz; Calatayud 89.4MHz; Campo de Gibraltar 99.4MHz; Galicia (EFJ-11) 96.9MHz.

**Addresses:**
EFE-1: Angustias 1, Valladolid — EFE-4: Becerro de Bengoa s/n, Palencia — EFE-5: Ordoño II 28, León — EFE-6: General Primo de Rivera 1, Cáceres — EFE-8: Angel Lozano 14, Alicante — EFE-10: Calvo Sotelo 34, Vitoria — EFE-14: Ayala 15, Madrid 1 — EFE-17: Pascuál y Genís 27, Valencia — EFE-19: Av. Cernuda y Valasco s/n, Castellón — EFE-22: Asturias 9, Oviedo — EFE-23: Victor Pradera 12, San Sebastián — EFE-25: Pasaje del Arcillero 2, Santander — EFE-31: García Barbón 3, Vigo (Pontevedra) — EFE-33: Hermanos Landa 21, Tarragona — EFE-57: Ramón Villoslada 17, Pamplona — EFE-58: Buen Pastor 4, Córdoba.
EFJ-2: Aguirre 4, Soria — EFJ-5: López Pinto 5, Cádiz — EFJ-11: Plaza de Mendez Núñez s/n, La Coruña — EFJ-15: Zaragoza 77, Barcelona 6 — EFJ-19: Paseo del Malecón 4, Murcia — EFJ-23: Dionisio Guardiola 31, Albacete — EFJ-25: Plaza San Fernando 4, Almería — EFJ-29: Ave María 9, Ponferrada (León) — EFJ-38: Rodeos del Castañar 1, Bejar (Salamanca) — EFJ-41: Dorado 11, Sama de Langreo (Asturias) — EFJ-43: Irala 7, Bilbao — EFJ-45: c/ Obispo Llompart, Inca (Islas Baleares) — EFJ-46: Ave. Calvo Sotelo 7, Zaragoza — EFJ-50: Ave. de Numancia 34, Calahorra (Logroño) — EFJ-52: San Francisco s/n, Aranda de Duero (Burgos) — EFJ-56: Alarcón Luján 6, Málaga — **V.** by letter. **Rp.**

## SOCIEDAD ESPANOLA DE RADIODIFUSION (Comm.)

**ADDR:** Av. de José Antonio 32, Madrid 13. **Cable:** SER. **Telex:** 7638 E. **Te:** 2221181 — **L.P:** Dir. Gen: E. Fontán. Dir. Gen. Adjoint: R. Varela. Dir. Tec: J. Galindo. Dir. Prgr: M. R. Cano. Dir. Foreign Rel: B. Moreno — **Reg. Sce:** Barcelona-10: Caspe 6; Dir: M. Tarín — Valencia-2: D. Juan de Austria 3; Dir: V. Gomez Torre — Sevilla: R. González Abreu 4; Dir: F. Machado — Zaragoza: Av. Marina Moreno 21; Dir: J. Muro.

| Main stations: | Call | kHz | kW | H of tr. |
|---|---|---|---|---|
| 1) R. Alcira | EAJ54 | 1520 | 2 | 06.30-23.30 |
| 2) R. Algeciras | EAJ55 | 1412 | 2 | 06.50-23.00 |
| 3) R. Alicante | EAJ31 | 1520 | 2 | 06.30-00.00 |
| 4) R. Barcelona | EAJ1 | 827 | 5 | 03.00-02.55 |
| 5) R. Bilboa | EAJ28 | 1412 | 2 | 05.00-01.00 |
| 6) R. Cádiz | EAJ59 | 1475 | 2 | 07.00-23.00 |
| 7) R. Extremadura | EAJ52 | 1106 | 2 | 06.45-00.00 |
| 8) R. Galicia | EAJ4 | 1412 | 2 | 06.00-23.00 |
| 9) R. Madrid | EAJ7 | 800 | 20 | 06.00-03.00 |
| 10) R. Mallorca | EAJ13 | 1475 | 2 | 06.00-23.00 |
| 11) R. Reus | EAJ11 | 1475 | 2 | 06.00-00.15 |
| 12) R. San Sebastian | EAJ8 | 1025 | 5 | 06.52-00.15 |
| 13) R. Sevilla | EAJ5 | 809 | 5 | 06.00-02.00 |
| 14) R. Valencia | EAJ3 | 1259 | 5 | 06.00-01.00 |
| **Associated stations:** | | | | |
| 15) R. Albacete | EAJ44 | 1520 | 2 | 06.30-23.00 |
| 16) R. Alcoy | EAJ12 | 1106 | 2 | 06.30-00.00 |
| 17) R. Almería | EAJ60 | 1475 | 2 | 06.40-23.30 |
| 18) R. Antequera | EAJ26 | 1106 | 2 | 07.00-23.00 |
| 19) R. Asturias | EAJ19 | 1475 | 2 | 06.45-23.00 |
| 20) R. Castellón | EAJ14 | 1412 | 2 | 06.45-03.00 |
| 21) R. Castilla | EAJ27 | 1412 | 2 | 06.55-23.00 |
| 22) R. Ciudad Real | EAJ65 | 1412 | 2 | 06.45-23.00 |
| 23) R. Coruña | EAJ41 | 1106 | 2 | 06.45-00.30 |
| 24) R. Gandía | EAJ23 | 1475 | 2 | 06.50-23.00 |
| 25) R. Gerona | EAJ38 | 1520 | 2 | 06.00-00.00 |
| 26) R. Gijón | EAJ34 | 1412 | 2 | 06.45-23.10 |
| 27) R. Granada | EAJ16 | 1412 | 2 | 06.40-01.00 |
| 28) R. Huesca | EAJ22 | 1106 | 2 | 06.45-23.00 |
| 29) R. Jaén | EAJ61 | 1520 | 2 | 06.00-23.00 |
| 30) R. Jerez | EAJ58 | 1520 | 2 | 06.50-23.00 |
| 31) R. Las Palmas | EAJ50 | 953 | 2 | 07.00-01.00 |
| 32) R. León | EAJ63 | 1106 | 2 | 06.45-00.15 |
| 33) R. Lérida | EAJ42 | 1520 | 2 | 06.45-23.00 |
| 34) R. Lugo | EAJ68 | 1520 | 2 | 06.45-23.00 |
| 35) R. Manresa | EAJ51 | 1106 | 2 | 06.45-00.15 |
| 36) R. Murcia | EAJ17 | 1412 | 2 | 06.00-00.30 |
| 37) R. Orense | EAJ57 | 1106 | 2 | |
| 38) R. Panadés | EAJ35 | 1106 | 2 | 06.45-22.15 |
| 39) R. Pontevedra | EAJ40 | 1475 | 2 | 06.45-00.00 |
| 40) R. Requeté | EAJ6 | 1412 | 2 | 06.45-23.00 |
| 41) R. Rioja | EAJ18 | 1475 | 2 | 06.55-23.00 |
| 42) R. Salamanca | EAJ56 | 1106 | 2 | 06.55-23.00 |
| 43) R. Santander | EAJ32 | 1475 | 2 | 06.30-00.00 |
| 44) R. Sigovia | EAJ64 | 1412 | 2 | 06.45-23.00 |
| 45) R. Toledo | EAJ49 | 1520 | 2 | 07.55-00.00 |
| 46) R. Valladolid | EAJ47 | 1259 | 2 | 06.50-00.20 |
| 47) R. Vigo | EAJ48 | 1520 | 2 | 06.45-00.15 |
| 48) R. Vitoria | EAJ62 | 1106 | 2 | 06.55-23.00 |
| 49) R. Zamora | EAJ72 | 1475 | 2 | 06.45-00.15 |
| 50) R. Zaragoza | EAJ101 | 872 | 20 | 06.30-04.00 |

**FM st's:** All st's 1kW exc. 9) (10kW) and 47) (2kW).
**H. of tr:** 09.00-23.00 for all st's.

**Main stations:**

| MHz | MHz | MHz | MHz | MHz | MHz |
|---|---|---|---|---|---|
| 1) 95.7 | 4) 93.9 | 7) 96.9 | 9) 93.9 | 11) 89.7 | 13) 97.2 |
| 2) 95.7 | 5) 89.5 | 8) 95.0 | 10) 96.6 | 12) 97.2 | 14) 89.7 |
| 3) 88.5 | 6) 92.2 | | | | |

**Associated stations:**

| MHz | MHz | MHz | MHz | MHz |
|---|---|---|---|---|
| 15) 89.4 | 22) 92.1 | 29) 93.3 | 38) 96.3 | 44) 96.6 |
| 16) 96.3 | 23) 89.4 | 30) 98.5 | 39) 89.1 | 45) 90.9 |
| 17) 93.6 | 24) 96.6 | 34) 91.8 | 40) 92.1 | 47) 99.2 |
| 18) 96.3 | 25) 90.0 | 35) 95.1 | 41) 91.8 | 48) 92.5 |
| 19) 90.3 | 26) 90.0 | 36) 91.2 | 42) 96.9 | 49) 89.9 |
| 20) 95.7 | 27) 95.4 | 37) 87.6 | 43) 91.2 | 50) 95.4 |
| 21) 89.1 | 28) 93.3 | | | |

**Addresses:**
1) Plaza del Caudillo 51, Alcira (Valencia) — 2) Riuz Tagle 25, Algeciras (Cádiz) — 3) García Morato 55, Alicante — 4) Caspe 6, Barcelona-10 — 5) Rodriguez Arias 6, Bilbao — 6) José del Toro 10, Cádiz — 7) Teniente Coronel Yagüe 2, Badajoz — 8) Plaza de la Universidad 5, Santiago de Compostela — 9) Avenida de José Antonio 32, Madrid-13 — 10) Paz 35, Palma de Mallorca (Islas Baleares) — 11) Arrabel de Santa Ana 54, Reus (Tarragona) — 12) Avenida de España 27, San Sebastian — 13) Rafael Gómez Abréu 4, Sevilla — 14) Don Juán de Austria 3, Valencia — 15) Mayor 63, Albacete — 16) Beato Nicolás Factor 2, Alcoy (Alicante) — 17) Arapiles 2, Almería — 18) Ramón y Cajal 41, Antequera (Málaga) — 19) Asturias 19, Oviedo — 20) Moyano 1, Castellón — 21) Paseo del Espolón 1, Burgos — 22) Avenida de los Mártires 10, Ciudad Real — 23) Plaza de Orense 3, La Coruña — 24) San Pascual 15, Gandía (Valencia) — 25) Forsa 8, Gerona — 26) Moros 37, Gijón (Asturias) — 27) Santa Paula 2, Granada — 28) Coso Alto 55, Huesca — 29) Bernabé Soriano 18, Jaén — 30) Augustias 11, Jerez de la Frontera (Cádiz) — 31) Triana 134 bis, Las Palmas de Gran Canaria (Islas Canarias) — 32) Villafranca 8, Léon — 33) Carmen 26, Lèrida — 34) Plaza de Angel Fernandez Gómez 5, Lugo — 35) General Mola 3, Manresa (Barcelona) — 36) Lucas 4, Murcia — 37) Tiendas 9-11, Orense — 38) Rambla del Caudillo 10, Villanueva y Galtrú (Barcelona) — 39) Peregrina 35-37, Pontevedra — 40) Avenida de Franco 4, Pampola — 41) Avenida de Portugal 12, Logroño — 42) Rosa 2, Salamanca — 43) Marcelino S. de Santuola 4, Santander — 44) San Agustin 5, Segovia — 45) Navarro Ledesma 4, Toledo — 46) Calvo Sotelo 2, Valladolid — 47) Príncipe 53, Vigo (Pontevedra) — 48) Postas 19, Vitoria — 49) Avenida de Josè Antonio 2, Zamora — 50) Avenida Marina Moreno 21, Zaragoza.
**ANN:** Nat. Sce: "Transmite la Sociedad Española de Radiodifusion". **Local Service:** "Transmite R... de la Sociedad Española de Radiodifusion — **INT-SIG:** Harp, piano — **V.** by letter. Recordings accepted — **PUB:** "ONDAS" fortnightly.

## CADENA DE ONDAS POPULARES ESPANOLAS

**ADDR:** Montesa 27, Madrid 6. **Te:** 2760527. **L.P:** Dir. Gen: F. J. Sacristán. Dir. Tec: J. de Acuña Muñoz.

| STATIONS: | Call | kHz | kW | MHz | kW |
|---|---|---|---|---|---|
| Albacete | EAK-46 | 1394 | 2 | 95.4 | 1 |
| Alicante | EAK-31 | 1394 | 2 | 95.4 | 1 |
| Almeria | EAK-69 | 1394 | 2 | 97.2 | 1 |
| Astorga (Leòn) | EAK-48 | 1394 | 2 | 87.6 | 1 |
| Asturias (Aviles) | EAK-91 | 1502 | 2 | 89.1 | 1 |
| Badajoz | EAK-21 | 1394 | 2 | 89.1 | 1 |
| Barcelona* | EAK-7 | 1430 | | 99.3 | 1 |
| Bilbao | EAK-13 | 1502 | 2 | 97.8 | 1 |
| Burgos | EAK-3 | 1502 | 2 | 95.4 | 1 |
| Caceres | EAK-57 | 1430 | 2 | 88.6 | 1 |
| Ciudad Real | EAK-22 | 1502 | 2 | 93.6 | 1 |
| Cordoba | EAK-20 | 1394 | 2 | 87.9 | 1 |
| El Ferrol (Coruña) | EAK-43 | 1502 | 2 | 95 | 1 |

| STATIONS: | Call | kHz | kW | MHz | kW |
|---|---|---|---|---|---|
| Figueras (Gerona) | EAK-82 | 1430 | 2 | 89.4 | 1 |
| Gran Canaria (Las Palmas) | EAK-92 | 827 | 2 | 97,2 | 1 |
| Granada | EAK-39 | 1502 | 2 | 88.2 | 1 |
| Guimar (Tenerife) | EAK-83 | 1502 | 2 | 89.2 | 1 |
| Huelva | EAK-14 | 1430 | 2 | 88.6 | 1 |
| Ibiza (Baleares) | EAK-24 | 1502 | 2 | 89.1 | 1 |
| Jaen | EAK-40 | 1430 | 2 | 88.8 | 1 |
| Leon | EAK-25 | 1430 | 2 | 93.3 | 1 |
| Lerida | EAK-15 | 1430 | 2 | 96 | 1 |
| Lorca (Murcia) | EAK-29 | 1430 | 2 | 97.5 | 1 |
| Loyola (Guipuzcoa) | EAK-66 | | | 99.8 | 1 |
| Lugo | EAK-58 | 1430 | 2 | 90 | 1 |
| La Plana (Castellòn) | EAK-78 | 1430 | 2 | 88.5 | 1 |
| Madrid* | EAK-1 | 1268 | 20 | 97.2 | 1 |
| Malaga | EAK-11 | 1430 | 2 | 89.4 | 1 |
| Mallorca (Palma) | EAK-18 | 1394 | 2 | 97.5 | 1 |
| Menorca (Cuidadela) | EAK-67 | 1430 | 2 | 90 | 1 |
| Murcia | EAK-12 | 1502 | 2 | 89.7 | 1 |
| Orense | EAK-59 | 1502 | 2 | 92.4 | 1 |
| Pamplona | EAK-4 | 1502 | 2 | 87.9 | 1 |
| Puertollano (Ci. Real) | EAK-23 | 1430 | 2 | 97.5 | 1 |
| Reus (Tarragona) | EAK-53 | 1394 | 2 | 89.7 | 1 |
| Salamanca | EAK-19 | 1502 | 2 | 90 | 1 |
| Santander | EAK-68 | 1394 | 2 | 88.4 | 1 |
| San Sebastian | EAK-44 | 1394 | 2 | 88.5 | 1 |
| Sevilla | EAK-2 | 1502 | 2 | 99.6 | 1 |
| Valencia | EAK-5 | 1430 | 2 | 89.7 | 1 |
| Valladolid | EAK-9 | 1430 | 2 | 89.7 | 1 |
| Vigo | EAK-33 | 1394 | 2 | 87.8 | 1 |
| Zamora | EAK-26 | 1394 | 2 | 94.9 | 1 |
| Zaragoza | EAK-6 | 1394 | 2 | 97.8 | 1 |

*to start operation in 1968.

**Addresses:**
EAK-46: Ca. Mayor 18, Albacete — EAK31: Aureliano Ibarra 3, Alicante — EAK-48: Palacio Episcopal, Astorga (León) — EAK-91; José Cueto 1, Avilés (Asturias) — EAK-21: Menacho 16, Badajoz — EAK-13: Astarloa 2, Bilbao — EAK-3: Plaza de Alonso Martinez 2, Burgos — EAK-22: Avda de los Mártires 20, Cuidad Real — EAK-82: San Lázaro 21, Figueras (Gerona) — EAK-83: San Pedro Arriba 4, Güimar (Tenerife — Islas Canarias) — EAK-14: Calle del Puerto 73, Huelva — EAK-24: Iglesia de Santa Cruz, Ibiza (Islas Baleares) — EAK-25: Lope de Vega 1, León — EAK-15: Academia 17, Lérida — EAK-29: José Antonio 16, Lorca (Murcia) — EAK-18: Seminario 4, Palma de Mallorca (Islas Baleares) — EAK-67: Socorro 2, Cuidadela (Menorca — Islas Baleares) — EAK-90; Gran Capitán 1, Montilla (Córdoba) — EAK-12: Gonzáles Adalid 21, Murcia — EAK-4: Santo Domingo, Pamplona — EAK-23: Juan Bravo 6, Puertollano (Ciudad Real) — EAK-53: San Pedro Apostol 6, Reus (Tarragona) — EAK-19: Plaza Mayor 35, Salamanca — EAK-44: Bengoechea 5, San Sebastián — EAK-2: Trajano 39, Sevilla — EAK-42: Arcipreste José Ariza 1, Velez-Málaga (Málaga) — EAK-5: Valencia — EAK-37: Primo de Rivera 33, Benavente (Zamora) — EAK-6: Plaza de la Seo 6, Zaragoza.

### CADENA DE EMISORAS SINDICALES (C.E.S.)

**ADDR:** Huertas 73, Edificio "Pueblo", Madrid. **Te:** 2172162 — **L.P:** Dir. Gen: J. Ramón Alonso.

**STATIONS:**

| Name/Location | Call | kHz | MHz | kW | H. of Tr. |
|---|---|---|---|---|---|
| Voz de Granada, Granada | CES-5 | 836 | 97.8 | 5 | 07.00-00.30 |
| R. Atlantico, Las Palmas | CES-4 | 1097 | 88.63 | 20 | 07.00-23.00 |
| Radio Gredos, Avila | CES-3 | 1133 | 87.6 | 15 | 07.00-23.00 |
| Voz del Guadalquivir, Sevilla | CES-8 | 1133 | 90.0 | 5 | 06.00-23.00 |
| Voz de Jaén, Jaén | CES-9 | 1133 | 93.3 | 5 | 07.00-23.00 |
| Voz de Cordoba, Cabra | CES-12 | 1133 | 95.1 | 2 | 06.00-23.00 |
| Voz de Ciudad Real, Ciudad Real | CES-13 | 1133 | 95.7 | 3 | 07.00-23.00 |
| Voz de Lugo, Monforte | CES-17 | 1133 | 88.8 | 2 | 07.00-23.00 |
| Voz de Zamora, Zamora | CES-19 | 1133 | 88.8 | 2 | 07.00-23.00 |
| R. Badajoz, Badajoz | CES-2 | 1025 | 94.9 | 5 | 07.00-23.00 |
| R. Centro, Madrid | CES-11 | 1385 | 88.2 | 20 | 06.00-24.00 |
| Voz de La Palma, La Palma | CES-16 | 1385 | 89.58 | 2 | 07.00-22.00 |
| Radio Teruel, Teruel | CES-1 | 1484 | 88.5 | 5 | 07.00-23.00 |
| Radio Tortosa, Tarragona | CES-6 | 1570 | 87.9 | 2 | 07.00-22.00 |
| Voz de Lerida, Tarrega | CES-7 | 1570 | 87.9 | 2 | 07.00-23.00 |
| Voz de La Mancha, Socuéllamos | CES-10 | 1570 | 88.5 | 2 | 07.00-24.00 |
| Voz de Gerona, Gerona | CES-14 | 1570 | 94.9 | 2 | 06.45-24.00 |
| Radio Costa del Sol, Marbella | CES-15 | 1570 | 87.6 | 3 | 07.00-23.00 |
| Voz del Miño, Orense | CES-18 | 1570 | 95.1 | 2 | 07.00-23.00 |

**F.M. only:**
**CES-21** R. Tudela, Tudela 88.2MHz/0.5kW — **CES-22** R. Costa Dorada, Ulldecona 95MHz/0.5kW — **CES-23** R. Peñarroya, Córdoba 93.4MHz/0.5kW — **CES-24** Voz del Valle, Orotava 89.58MHz/0.5kW — **CES-25** Voz de Andujar, Jaén 89.5MHz/0.5kW — **CES-26** La Voz de Martos, Jaén 88MHz/0.5kW — **CES-27** R. Coral, Crevillente 96.9MHz — **CES-28** Voz del Bajo Aragon, Caspe 89.1MHz/0.5kW — **CES-29** Voz del Cinca, Fraga, 95MHz — **CES-30** Radio Ronda, Ronda 99.3MHz — **CES-31** Radio Benidorm, Alicante 96.9MHz — **CES-32** Radio Maresma, Mataró — **CES-33** Voz de Aviles, Asturias 87.8MHz/0.5kW — **CES-34** Voz del Maestrazgo, Morella 99.6MHz/0.5kW — **CES-35** Radio Hescar, Granada 99.4MHz/0.5kW — **CES-36** Voz de Valencia, Utiel 87.9MHz/0.5kW — **CES-37** Radio Sur, Coín 92.4MHz/0.05kW — Radio Jumilla, Murcia, 88MHz/0.5kW — Radio Tafalla, Navarra — **V.** by letter.

### RUEDA DE EMISORAS RATO

**ADDR:** Jorge Juan, 27 Madrid. **Te:** 2760407.
**L.P:** Dir. Gen: R. de Rato. Dir. Tec: A. Caballos.
**MAIN STATION:** EAJ49 R. Toledo 1520kHz 197.4m.
**Branch St's:** EAJ60 R. Almeria[2] 1475kHz, EAJ26 R. Antequera[3] 1106kHz, EAJ35 R. Panadés[4] 1106kHz.
**D.PRGR:** EAJ49: 08.00-23.30; EAJ60 and EAJ35: 07.00-24.00; EAJ26 07.00-23.30. **N:** every h.
**INT-SIG:** Electric gong (two tones) — **V.** by letter.
[1]Navarro Ledesma 4, Toledo — [2]Arapiles 2, Almeria — [3]Ramon y Cajal 41, Antequera (Malaga) — [4]Rambla del Caudillo 10, Villanueva y Geltru (Barcelona).

### RADIO ESPANA (Comm.)

**ADDR:** Apartado Correos 50.753, Madrid 13. **Te:** 222.83.20. **Cable:** Radiospaña — **HOME SCE:** Madrid EAJ2 917kHz 327.2m 12kW: 07.00-01.00 — **ANN:** "EAJ2 R. España, Madrid".

### R. ESPANA DE BARCELONA

**ADDR:** Ramblas 126, Barcelona 2. **Te:** 2-22-0751 — **L.P:** Dir. Gen: G. Serraclara de la Pompa. St. Mgr: A. Banda Moras. **HOME SCE.** (System: Collins): EAJ15 1124kHz 266.9m 10kW: 06.00-02.00 — **V.** by letter. Recordings accepted.
**Affiliated st's:** EAJ38 R. Gerona 1520kHz — EAJ42 R. Lérida 1520kHz, 2kW: 07.00-23.00 — EAJ51 R. Manresa 1106kHz 2.5kW.

### COMPANIA DE RADIODIFUSION INTERCONTINENTAL

**ADDR:** Diego de León, 50, Madrid-6. **Te:** 2760400. **Telex:** 7497. **Cable:** Ondatlantic — **L.P:** Dir. Gen: F. Serrano Suñer. Dir. Tec: J. Serrano Suñer.
**HOME SCE:** EAJ-29 953kHz 314.8m 20kW nd: 05.00-24.00 — F.M: 95.1MHz 1kW d: 14.30-20.30.
**ANN:** "Aqui R. Intercontinental Madrid" — **INT-SIG:** Xylophone.

**Affiliated Stations:**

| | Call | kHz | m | kw | h. of tr. |
|---|---|---|---|---|---|
| R. Córdoba | EAJ-24 | 1475 | 203.4 | 2 | 10.00-24.00 |
| R. Onteniente | EAJ-30 | 1412 | 205.9 | 1 | 08.00-22.00 |
| R. Miramar | EAJ-39 | 1520 | 197.4 | 5 | 05.00-24.00 |
| R. Orense | EAJ-57 | 1412 | 205.9 | 3 | 08.30-17.00, 19.00-23.00 |
| R. Linares | EAJ-37 | 1106 | 271.2 | 2 | 10.00-24.00 |

R. Miramar (F.M.) 94.8MHz 1kW

**ADDR:** EAJ24: Alfonso XIII 12, Córdoba; EAJ30: Plaza de J. Antonio 26, Onteniente (Valencia); EAJ39: Plaza de Cataluña 9, Barcelona 2; EAJ57: Tiendas 9-11, Orense; EAJ37: Benito Perez Goldás 35, Linares (Jaén).

### ARMED FORCES RADIO & TV SCE. (US Military)

**FM-st's:** Madrid, Sevilla, Zaragoza 89.7MHz (all 1kW) — Rota 96.0MHz 5kW — Alcoy, Elizondo, Rosas, Soller 96.0MHz (all 0.045kW).

## SWEDEN

**L.T:** GMT+1 h — **Pr.L:** Swedish.

### SVERIGES RADIO (Swedish Broadcasting Corporation)

(Non comm. semigov. broadc. corpo.)
**ADDR:** Radiohuset, Oxenstiernsgatan 2, Stockholm. Postal Addr: Box 955, Stockholm 1. **Te:** 670865 (local 631000). **Cable:** Broadcast. **L.P:** Chmn. Board of Governors: P. Eckerberg. Dir. Gen: O. Rydbeck. Dir. Finance Dept: L. Öhrström. Dir. Eng: J. von Utfall. Dep. Dir. Eng: C. Wachtmeister. Dir. Prgr (Radio): N. O. Franzén. Dep. Dir. Prgr (Radio): P. Brunius. Dir. Prgr (TV): N. E. Baehrendtz. Dep. Adm. Dir. (TV): O. Wahlund. Head TV Plan: L. E. Kjellgren. Dir. Staff: N. Ragnå. Dep. Dir. (Dev. and Plan): K. E. Lundevall. Leg. Adv: G. Hansson. Head of Dir. Gen's Office: N. P. Lindskog. Asst. to the Dir. Gen: E. W. Ploman. Head School Broadc: R. Lundgren. Asst. Head: S. S. Allebeck. Head Press and Inf: Ph. von Krusenstjerna. Head Int. Dept. (Ext. Rel. and Overs. Prod.): Mrs. B. Svinhufvud. Int. Dept. Secr: G. Dahlin. Eurovision exch: Mrs. M. Lamby. Radio exch: Mrs. B. de Radwan. Radio Sweden: B. Järrel.
**KUNGL. TELESTYRELSEN (The Telecommunications Administration)** has the responsibility for the distribution of the prgr's produced by Sveriges Radio and has also charge of the collection of fees.
**ADDR:** Box 16065, Stockholm 16. **Te:** 236040. **Cable:** Radiobyrån. **L.P:** Dir. Gen: B. Bjurel. Chief of R. Dept: K. Ekström. Chief of division handling broadc. matters: S. R. Larsson.

# Sweden

**STATIONS: Medium Waves:** *=st. carrying night prgr.

| Station | Prgr. | kHz | kW |
|---|---|---|---|
| Boden | 3 | 1594 | 0.15 |
| Borås | 1 | 1562 | 2 |
| | 3 | 1394 | 0.15 |
| Eskilstuna | 1 | 1562 | 0.5 |
| Falkenberg | 1 | 1448 | 0.15 |
| Falun | 1 | 1223 | 100 |
| Gävle | 1 | 1448 | 0.5 |
| Göteborg | 1 | 980 | 150 |
| | 3 | 1394 | 0.25 |
| Halmstad | 1 | 1562 | 2 |
| | 3 | 1394 | 0.15 |
| Hudiksvall | 1 | 1448 | 1.5 |
| | 3 | 1394 | 0.15 |
| Hälsingborg | 1 | 1448 | 1.5 |
| Hörby | 1 | 1178 | 100 |
| Jönköping | 1 | 1448 | 2 |
| | 3 | 1594 | 0.2 |
| Kalmar | 1 | 1562 | 2 |
| Karlskrona | 1 | 1448 | 1.5 |
| Karlstad | 1 | 1562 | 1.5 |
| | 3 | 1394 | 0.15 |
| Kiruna | 1 | 1562 | 0.5 |
| | 3 | 1394 | 0.15 |
| Kristinehamn | 1 | 1448 | 0.15 |
| | 3 | 1594 | 0.15 |
| Ludvika | 3 | 1394 | 0.15 |
| Luleå | 1 | 182 | 10 |
| | 3 | 1394 | 0.15 |
| Malmberget | 1 | 773 | 2 |
| | 3 | 1394 | 0.15 |
| Malmö | 1 | 1562 | 2 |

| Station | Prgr. | kHz | kW |
|---|---|---|---|
| Mariestad | 3 | 1394 | 0.15 |
| Motala | 1 | *191 | 600 |
| Norrköping | 1 | 1562 | 1.5 |
| Piteå | 3 | 1394 | 0.15 |
| Porjus | 1 | 1529 | 0.075 |
| | 3 | 1594 | 0.075 |
| Stockholm | 1 | 773 | 150 |
| | 3 | 1394 | 0.25 |
| Sundsvall | 1 | 593 | 150 |
| | 3 | 1394 | 0.15 |
| Säffle | 1 | 1448 | 0.15 |
| | 3 | 1594 | 0.15 |
| Söderhamn | 1 | 1562 | 0.06 |
| | 3 | 1394 | 0.15 |
| Trollhättan | 1 | 1448 | 2 |
| | 3 | 1594 | 0.15 |
| Uddevalla | 1 | 1562 | 0.5 |
| | 3 | 1394 | 0.15 |
| Umeå | 1 | 1448 | 2 |
| | 3 | 1594 | 0.15 |
| Uppsala | 1 | 1562 | 2 |
| Varberg | 1 | 1562 | 2 |
| | 3 | 1394 | 0.15 |
| Visby | 1 | 1448 | 0.5 |
| Vänersborg | 3 | 1394 | 0.15 |
| Västervik | 3 | 1394 | 0.15 |
| Västerås | 1 | 1448 | 2 |
| Örebro | 1 | 1562 | 1.5 |
| Örnsköldsvik | 1 | 1562 | 1.5 |
| | 3 | 1394 | 0.15 |
| Östersund | 1 | 719 | 150 |

**Short Waves:** Hörby 2 x 100kW tr's: 6065kHz 49.46m — 9625kHz 31.17m.

| FM: | Prgr. | MHz | kW |
|---|---|---|---|
| Arvidsjaur | 1 | 89.4 | 60 |
| | 2 | 94.2 | 60 |
| | 3 | 97.1 | 60 |
| Björkliden(s) | 1 | 88.0 | 0.3 |
| | 2 | 93.9 | 0.3 |
| Boden | 1 | 90.6 | 60 |
| | 2 | 94.5 | 60 |
| | 3 | 99.4 | 60 |
| Bollnäs | 1 | 88.4 | 60 |
| | 2 | 91.8 | 60 |
| | 3 | 96.0 | 60 |
| Borlänge | 1 | 89.4 | 60 |
| | 2 | 93.0 | 60 |
| | 3 | 97.7 | 60 |
| Borås | 1 | 88.5 | 10 |
| | 2 | 94.6 | 10 |
| | 3 | 97.9 | 10 |
| Bäckefors | 1 | 92.7 | 60 |
| | 2 | 96.8 | 60 |
| | 3 | 99.1 | 60 |
| Emmaboda | 1 | 93.0 | 60 |
| | 2 | 96.7 | 60 |
| | 3 | 99.8 | 60 |
| Enafors(s) | 1 | 92.8 | 0.03 |
| | 2 | 96.2 | 0.03 |
| Funäsdalen(s) | 1 | 89.6 | 0.03 |
| | 2 | 92.9 | 0.03 |
| Gäddede(s) | 1 | 88.9 | 0.03 |
| | 2 | 96.2 | 0.03 |
| Gällivare | 1 | 88.3 | 60 |
| | 2 | 94.9 | 60 |
| | 3 | 98.5 | 60 |
| Gävle | 1 | 88.1 | 60 |
| | 2 | 97.4 | 60 |
| | 3 | 99.8 | 60 |
| Göteborg | 1 | 89.3 | 60 |
| | 2 | 96.3 | 60 |
| | 3 | 99.4 | 60 |
| Halmstad | 1 | 87.7 | 60 |
| | 2 | 91.2 | 60 |
| | 3 | 95.4 | 60 |
| Haparanda | 1 | 91.3 | 60 |
| | 2 | 93.6 | 60 |
| | 3 | 97.9 | 60 |
| Hälsingborg | 1 | 89.5 | 3 |
| | 2 | 95.7 | 3 |
| | 3 | 98.7 | 3 |
| Hörby | 1 | 88.8 | 60 |
| | 2 | 92.4 | 60 |
| | 3 | 97.0 | 60 |
| Idre(s) | 1 | 88.0 | 0.03 |
| | 2 | 89.9 | 0.03 |

| FM: | Prgr. | MHz | kW |
|---|---|---|---|
| Karlskrona | 1 | 89.1 | 10 |
| | 2 | 95.0 | 10 |
| | 3 | 97.7 | 10 |
| Karesuando(s) | 1 | 87.6 | 0.3 |
| | 2 | 90.0 | 0.3 |
| Karlstad | 1 | 90.5 | 3 |
| | 2 | 94.2 | 3 |
| | 3 | 96.5 | 3 |
| Kiruna | 1 | 89.1 | 60 |
| | 2 | 92.7 | 60 |
| | 3 | 96.4 | 60 |
| Laisvall(s) | 1 | 90.8 | 0.03 |
| | 2 | 95.1 | 0.03 |
| Lycksele | 1 | 92.9 | 60 |
| | 2 | 95.4 | 60 |
| | 3 | 98.7 | 60 |
| Malmö | 1 | 87.9 | 3 |
| | 2 | 93.3 | 3 |
| | 3 | 98.0 | 3 |
| Mora | 1 | 92.2 | 10 |
| | 2 | 96.7 | 10 |
| | 3 | 99.0 | 10 |
| Motala | 1 | 91.1 | 3 |
| | 2 | 93.8 | 3 |
| | 3 | 98.2 | 3 |
| Norrköping | 1 | 90.0 | 60 |
| | 2 | 93.5 | 60 |
| | 3 | 98.7 | 60 |
| Nässjö | 1 | 89.6 | 60 |
| | 2 | 92.1 | 60 |
| | 3 | 99.0 | 60 |
| Pajala | 1 | 87.9 | 60 |
| | 2 | 93.0 | 60 |
| | 3 | 95.9 | 60 |
| Seitevare(s) | 1 | 90.9 | 0.03 |
| | 2 | 93.7 | 0.03 |
| Skellefteå | 1 | 93.8 | 10 |
| | 2 | 96.3 | 10 |
| | 3 | 99.9 | 10 |
| Skövde | 1 | 88.9 | 60 |
| | 2 | 95.1 | 60 |
| | 3 | 97.5 | 60 |
| Sollefteå | 1 | 88.2 | 60 |
| | 2 | 93.5 | 60 |
| | 3 | 98.1 | 60 |
| Stockholm | 1 | 92.4 | 60 |
| | 2 | 96.6 | 60 |
| | 3 | 99.3 | 60 |
| Stordalen(s) | 1 | 89.6 | 0.03 |
| | 2 | 92.3 | 0.03 |

| FM: | Prgr. | MHz | kW |
|---|---|---|---|
| Storuman | 1 | 87.6 | 60 |
| | 2 | 91.2 | 60 |
| | 3 | 99.0 | 60 |
| Strömstad(s) | 1 | 91.6 | 0.03 |
| | 2 | 94.3 | 0.03 |
| Sundsvall | 1 | 92.7 | 60 |
| | 2 | 96.9 | 60 |
| | 3 | 99.2 | 60 |
| Sunne | 1 | 90.9 | 60 |
| | 2 | 94.5 | 60 |
| | 3 | 98.5 | 60 |
| Sveg | 1 | 90.6 | 60 |
| | 2 | 94.9 | 60 |
| | 3 | 97.9 | 60 |
| Sysslebäck(s) | 1 | 88.8 | 0.3 |
| | 2 | 92.5 | 0.3 |
| Torneträsk(s) | 1 | 87.6 | 0.03 |
| | 2 | 98.0 | 0.03 |
| Trolhätten | 1 | 91.9 | 3 |
| | 2 | 95.8 | 3 |
| | 3 | 99.8 | 3 |
| Täsjö | 1 | 89.8 | 60 |
| | 2 | 94.7 | 60 |
| | 3 | 97.5 | 60 |
| Tärnaby(s) | 1 | 88.9 | 0.03 |
| | 2 | 95.7 | 0.03 |
| Uddevalla | 1 | 89.9 | 3 |
| | 2 | 93.1 | 3 |
| | 3 | 97.2 | 3 |
| Uppsala | 1 | 90.3 | 3 |
| | 2 | 93.3 | 3 |
| | 3 | 96.2 | 3 |
| Varberg | 1 | 90.4 | 10 |

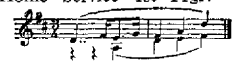
| FM: | Prgr. | MHz | kW |
|---|---|---|---|
| Varberg | 2 | 93.6 | 10 |
| | 3 | 98.8 | 10 |
| Vassijaure(s) | 1 | 90.7 | 0.03 |
| | 2 | 95.1 | 0.03 |
| Vietas(s) | 1 | 89.9 | 0.03 |
| | 2 | 93.9 | 0.03 |
| Visby | 1 | 87.6 | 15 |
| | 2 | 94.1 | 15 |
| | 3 | 97.2 | 15 |
| Vislanda | 1 | 88.0 | 10 |
| | 2 | 90.6 | 10 |
| | 3 | 94.7 | 10 |
| Vännäs | 1 | 88.5 | 60 |
| | 2 | 92.1 | 60 |
| | 3 | 95.8 | 60 |
| Västervik | 1 | 88.3 | 25 |
| | 2 | 91.8 | 25 |
| | 3 | 96.0 | 25 |
| Västerås | 1 | 90.7 | 60 |
| | 2 | 95.7 | 60 |
| | 3 | 98.0 | 60 |
| Ånge | 1 | 93.2 | 10 |
| | 2 | 95.6 | 10 |
| | 3 | 99.6 | 10 |
| Örebro | 1 | 87.9 | 60 |
| | 2 | 91.5 | 60 |
| | 3 | 99.6 | 60 |
| Örnsköldsvik | 1 | 90.8 | 3 |
| | 2 | 94.4 | 3 |
| | 3 | 97.3 | 3 |
| Östersund | 1 | 87.9 | 60 |
| | 2 | 91.5 | 60 |
| | 3 | 94.0 | 60 |

St's to open before July 1st, 1968: 12 st's (prgr I + II + III) in Ammernäs, Duved, Gördalen, Hemavan, Höljes, Kallrör, Kvikkjokk/Tarvevare, Kvikkjokk/Årrevare, Ljungdalen, Rydöbruk, Rörbäcksnäs, Tänndalen (all 0.03kW).

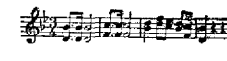
## HOME SERVICE

**FIRST PRGR:** (netw. of Spoken Word, also during daytime serious music): 05.00 (Sun 06.00)-22.00 (approx).
**N:** 05.00 (W), 05.30 (W), 06.00 (W), 06.30 (W), 07.00, 10.00 (W), 11.30, 14.00, 16.00, 17.30, 20.00 (exc. Sat), 21.00 — **Wrp** (incl. Forecast for Swedish Waters): 05.30, 07.00, 11.25 (W), 11.30 (Sun — excl. Forecast for Swedish Waters), 17.25, 20.50. Forecast for Swedish Waters only 11.45 (W), 16.05.
**Short Waves:** 06.30-07.15 on 6065kHz, 11.30-12.15 on 9625kHz, 17.30-18.00 on 6065kHz.
**Rlg. Prgr's:** Morning Sce': W: 05.20, 06.15. Evening prayer: D. 21.05. Sun. Divine Sce: 10.00, 16.10. **News Magazine:** Mon-Fri 20.00-20.50. **Concert:** D. 14.10.
**SECOND PRGR:** (Education and Serious Music): During terms School broadcasts Mon-Fri 08.00-11.00, 12.00-13.00 (Wed 12.00-13.00 only) — Sun/Mon/Tues 17.15-22.00*, Thurs 16.30-22.00*, Wed/Fri/Sat 17.15-23.00. All evenings 18.30 to closing: Serious Music — (*approx).
**THIRD PRGR:** Light music 24h (incl. Night prgr's). Also on 191kHz after closing of First Prgr.
**N:** 22.00-22.05 and headlines one min before the h W 04.59-20.59 (exc. 17.59, 18.59). Sun 09.59-20.59 (exc. 13.59, 17.59).
**ANN:** Nat prgr: "Sveriges Radio . . ." and the service, f. inst. "Sveriges Radio, program ett" — **INT-SIG:** 1st Prgr: The opening notes from Carl Michael Bellman's "Storm och böljor tystna re'n" or, more frequently, birds, changing each week.

Home Service 1st Prgr:



Home Service 2nd Prgr:



## FOREIGN SERVICE

**Stations:** Hörby 100kW (G.C: 13.44E/55.49N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 1178 | 254.7 | 9625 | 31.17 | 15240 | 19.69 | 21585 | 13.90 |
| 5990 | 50.08 | 9705 | 30.91 | 17800 | 16.85 | 21690 | 13.83 |
| 6065 | 49.46 | 11705 | 25.63 | | | | |

**Areas:** I=Europe; II=Middle East; III=Far East; IV=Africa; V=So. Asia; VI=Eastern No. America; VII=Western No. America; VIII=So. America.

**Schedule 5/11 1967-3/3 1968**

| English | Area | kHz/Beam |
|---|---|---|
| 11.00-11.30 | I/VI | *6065/15240 (285°) |
| 12.30-13.00 | III/IV | 9625 (50°)/*21690 |
| 14.00-14.30 | VI/V | 15240 (98°)/21585 (285°) |
| 16.00-16.30 | III/VII | 9625 (50°)/15240 (325°) |
| 19.00-19.30 | II/IV | 11705 (145°)/15240 (183°) |
| 20.45-21.15 | I/III | *6065/9625 (50°) |
| 22.45-23.15 | III/VIII | 9705 (50°)/11705 (235°) |
| 23.15-23.45 | I | *1178 |
| 00.30-01.00 | VI | 5990 (285°) |

# radio sweden

SCHWEDEN
SUÈDE
SUÉCIA
SUECIA

*calling the world in seven languages daily:*

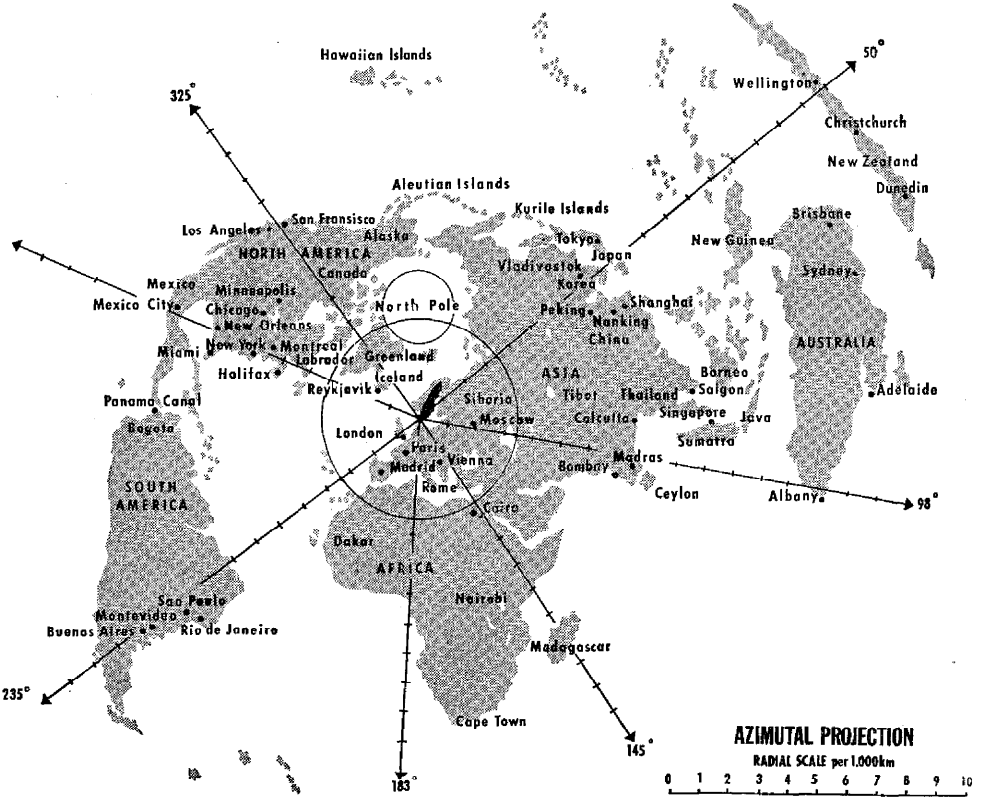
**ENGLISH . FRENCH . GERMAN . SPANISH**
**PORTUGUESE . RUSSIAN . SWEDISH**

*and bringing News, Music and Feature Programmes over Radio Sweden's 100kW transmitters.*
*Special Programmes for DX-ers and Pop-Fans.*

**The transcription service**
*offers a wide range of recorded programmes about Sweden.*

**The television service**
*offers films about Sweden in different languages or with an international soundtrack.*

**Write in for Programme Schedule: Radio Sweden, Box 955, Stockholm 1, Sweden.**



| English | Area | kHz/Beam |
|---|---|---|
| 02.00-02.30 | VI | 5990 (285°) |
| 03.30-04.00 | VII | 11705 (325°) |
| 05.15-05.45 | V | 15240 (98°) |
| **French** | | |
| 09.30-10.00 | I/II | *6065/21690 (145°) |
| 15.00-15.30 | V/VI | 15240 (98°)/21585 (285°) |
| 18.00-18.30 | IV | 15240 (183°) |
| 03.00-03.30 | VII | 11705 (325°) |
| 05.45-06.15 | V | 15240 (98°) |
| **German** | | |
| 10.30-11.00 | I | *6065 |
| 17.30-18.00 | IV | 15240 (183°) |
| 22.45-23.15 | I | *1178 |
| **Russian** | | |
| 08.30-09.00 | I/III | 15240 (98°)/17800 (50°) |
| 20.15-20.45 | I/III | *6065/9625 (50°) |
| 22.15-22.45 | I | *1178 |
| **Portuguese** | | |
| 22.00-22.30 | I/VIII | *6065/11705 (235°) |
| 00.30-01.00 | VIII | 11705 (235°) |
| 02.00-02.30 | VIII | 11705 (235°) |
| **Spanish** | | |
| 21.30-22.00 | I/VIII | *6065/11705 (235°) |
| 00.00-00.30 | VIII | 11705 (235°) |
| 01.30-02.00 | VIII | 11705 (235°) |
| **Swedish** | | |
| 06.30-07.15** | I | *6065 |
| 10.00-10.30 | I/II | *6065/21690 (145°) |
| 11.30-12.10** | I/III | *6065/15240 (285°) |
| 13.00-13.30 | III/IV | 9625 (50°)/*21690 |
| 14.30-15.00 | V/VI | 15240 (98°)/21585 (285°) |
| 16.30-17.00 | III/VII | 9625 (50°)/15240 (325°) |
| 17.30-18.00** | I | *6065 |
| 18.30-19.00 | II/IV | 11705 (145°)/15240 (183°) |
| 23.15-23.45 | III/VIII | 9705 (50°)/11705 (235°) |
| 01.00-01.30 | VI/VIII | 5990 (285°)/11705 (235°) |
| 04.00-04.30 | VII | 11705 (325°) |
| 04.45-05.15 | V | 15240 (98°) |

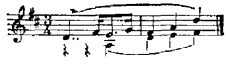
*) omnidirectional aerial — **) relay Home Sce 1st Prgr.

**N:** at the beginning of each tr.

**DX-PRGR: English:** Tues 11.20, 12.50, 14.20, 16.20, 19.20, 21.05, 23.05, 23.35, Wed 00.50, 02.20, 03.50, 05.35. **French:** Tues 09.50, 15.20, 18.20, Wed 03.20, 06.05. **German:** Wed 10.40, 17.40, 22.55. **Russian:** Wed 08.50, 20.35, 22.35. **Portuguese:** Wed 22.10, Thurs 00.40, 02.10. **Spanish:** Thurs 21.50, Fri 00.20, 01.50.

**ANN:** E: "This is R. Sweden". G: "Hier ist R. Schweden". Fr: "Ici R. Suéde". Sp. & P: "Aqui R. Suécia, Estocolmo". Sw: "Utlandsprogrammet. Sveriges Radio". Ru: "Govonit Stockgolm".

**INT-SIG: Foreign Sce:** The opening notes from Carl Michael Bellman's "Storm och böljor tystnas re'n".



**V.** by QSL-card, folder and/or letter. R. Sweden will appreciate all letters and reports on reception of the transmissions. Prgr. schedules by writing to R. Sweden, Box 955, Stockholm 1.

**PUB:** Monthly: "Radio Sweden" in seven languages: English, German, French, Spanish, Portuguese, Russian, Swedish.

**IBRA RADIO AB (Non-Comm, Non-Gov. Christian)**

**ADDR:** Box 821, Stockholm 1 — **Studios:** The Main studio is Sveavägen 34, Stockholm. **Cable:** "Ibra-Radio" — **L.P:** Pres: Dr. Lewi Pethrus. Dir. Prgr: H. Carlsson.

**STATIONS** broadc. IBRA prgr's:

R. Litoral, Cochabamba, Bolivia — R. WIVV, Vieques, Puerto Rico — R. Riquelme, Coquimbo, Chile — R. Paraguay, Asuncion — R. Kanto, Yokohama — *R. Hokkaido, Hokkaido. R. Corrientes, Corrientes, Argentina — R. St. HCJB (The Voice of Andes): Every Wed in Swedish — R. Independencia, Montevideo, Uruguay — R. WEBH, Chicago, U.S.A: FM-broadcast in Swedish every Sun (R. Sweden) — **PUB:** "IBRA" in a Swedish and an English edition.

## SWITZERLAND (Confederation)

**L.T:** GMT+1 h — **Pr.L:** German, Swiss German dialects, French, Italian, Romanche.

**SWISS BROADCASTING CORPORATION (+SBC)**

(A non profit making Comp) — **ADDR:** Schweizerische Radio- und Fernsehgesellschaft (SRG). Société suisse de radiodiffusion et television (SSR). Società Svizzera di Radiotelevisione (SSR). Giacomettistrasse 1, 3000 Berne 16. **Cable:** Radif. **Te:** (031) 44.55.55 — **L.P:** Pres. of the Board of Adm: Dr. A. Guinand. Dir. Gen: M. Bezençon. Dir. Adm. & Dep. Dir. Gen: D. Carl. TV Dir: Edouard Haas.

**Schweizerischer Kurzwellendienst.** Service suisse des ondes courtes, Swiss Shortwave Service, Giacomettistrasse 1, 3000 Berne 16. **Te:** (031) 44.66.44 — **L.P:** Dir; J. Curchod.

**Telephonrundspruch, Telediffusion** (Wired Broadc.), Giacomettistrasse 1, 3000 Berne 16. **Te:** (031) 44.14.44 — **L.P:** Dir. Sw-Sce. and Telediff: J. Curchod, Head Telediff: B. Bruni.

According to the new State concession in force (from November 1st, 1964) the Swiss Broadc. Corpo. (SBC) comprises three reg. radio and tv societies, namely:

**Programme services in German:**

**"Radio- und Fernsehgesellschaft der Deutschen und der Raetoromanischen Schweiz"** (6 reg. societies, 3 radio studios and 1 TV studio) — **L.P:** Reg. Radio Dir: Dr. F. Ernst, Marignanostrasse 50, 4000 Bâle. **Te:** 061.346275. Reg. TV Dir: Dr. Guido Frei, Florastrasse 44, 8008 Zürich. **Te:** 051.476800. **Radio Studios:** R. Berne, Schwarztorstrasse 21, 3000 Berne. Dir: M. Bolliger. R. Bâle, Novarastrasse 2, 4000 Bâle. Dir: Dr. P. Meyer-Gutzwiller. R. Züruch, Brunnenhofstrasse 20, 8057 Zürich. Dir: Dr. G. H. Padel.
H. Padel.

**Programme services in French:**

**"Societe de Radiodiffusion et de Television de la Suisse Romande"** (2 reg. societies, 2 radio studios, 1 TV-studio) — **L.P:** Reg. Radio-Dir: J. P. Méroz, La Sallz, 1010 Lausanne. **Te:** 021.217111. Reg. TV Dir: R. Schenker, 6, Place des Eaux-Vives, 1211 Genève. **Te:** 35.90.60. **Radio studios:** R. Genève, 66 Boulevard Carl-Vogt, 1211 Genève. Dir: R. Aubert. R. Lausanne, Maison de la Radio, 1010 Lausanne. Dir: Dr. P. Vallotton.

**Programme services in Italian:**

**"Societa Cooperativa per la Radiotelevisione nella Svizzera Italiana"** (1 radio studio, 1 TV studio) — **Radio studio:** Radio-Lugano, 6903 Lugano-Besso. Reg. Radio. Dir: Dr. S. Molo. Reg. TV Dir: F. Marazzi, 6903 Lugano-Besso. **Te:** 09132021.

### HOME SERVICE

**GERMAN:**

**First Prgr:** Sun 06.00-22.20; Mon-Sat 05.15-22.20.

| | kHz | m | kW |
|---|---|---|---|
| Beromünster | 529 | 567.1 | 150 |
| Basel | 1562 | 192.0 | 0.5 |
| **FM:** | **ch** | **MHz** | **kW/W** |
| Attinghausen | 28 | 95.3 | 0.1 |
| Bantinger | 4 | 88.2 | 0.6 |
| Brig | 23 | 93.9 | 0.5 |
| Brusio | 2 | 87.6 | 6W |
| Buchserberg | 15 | 91.6 | 0.25 |
| Celerina | 33 | 96.0 | 0.75 |
| Davos | 29 | 95.7 | 0.22 |
| Dél | 27 | 95.1 | 0.75 |
| Ernen | 40 | 99.0 | 2 |
| Geissholz | 28 | 95.4 | 0.75 |
| Gotsschnagrat | 8 | 89.4 | 1.2 |
| Gurtnellen | 30 | 96.0 | 90W |
| Hornfluh | 3 | 87.9 | 0.75 |
| Klewenalp | 27 | 95.0 | 22.5W |
| Ladir | 16 | 91.9 | 1.125 |
| Co're | 1562 | 192.0 | 0.5 |
| Sool | 1562 | 192.0 | 0.5 |
| | **ch** | **MHz** | **kW/W** |
| Leuk | 20 | 93.0 | 0.75 |
| Niederhorn | 34 | 97.2 | 9 |
| Pfänder | 31 | 96.3 | 130W |
| Poschavio | 4 | 88.2 | 12W |
| Rigi | 13 | 90.9 | 30 |
| St. Chrischona | 12 | 90.6 | 18 |
| Sta. Maria | 20 | 93.0 | 30W |
| Säntis | 43 | 99.9 | 10 |
| Sils | 29 | 95.7 | 36W |
| Sool | 26 | 94.8 | 0.5 |
| Tarasp | 27 | 95.1 | 0.5 |
| Uetliberg | 25 | 94.6 | 1.8 |
| Valzeina | 11 | 90.3 | 0.75 |
| Weisshorn | 26 | 94.8 | 0.1 |

**N, Wrp:** 05.15, 06.00 (Sun 06.45), 11.30, 18.15, 21.15 — **Current N. items, Comm:** D 08.00, 09.00, 10.00, 11.40, 14.00, 15.00, 17.00, 18.00, 18.25, 21.20, 22.15. **World Chronicle:** Fri 18.50 — **"Samtags Rundschau"** (domestic affairs): Sat 13.00 — **Im Auto durch die Schweiz** (for motorists): W 06.30-07.30 — **Symphony:** Tues 19.00.

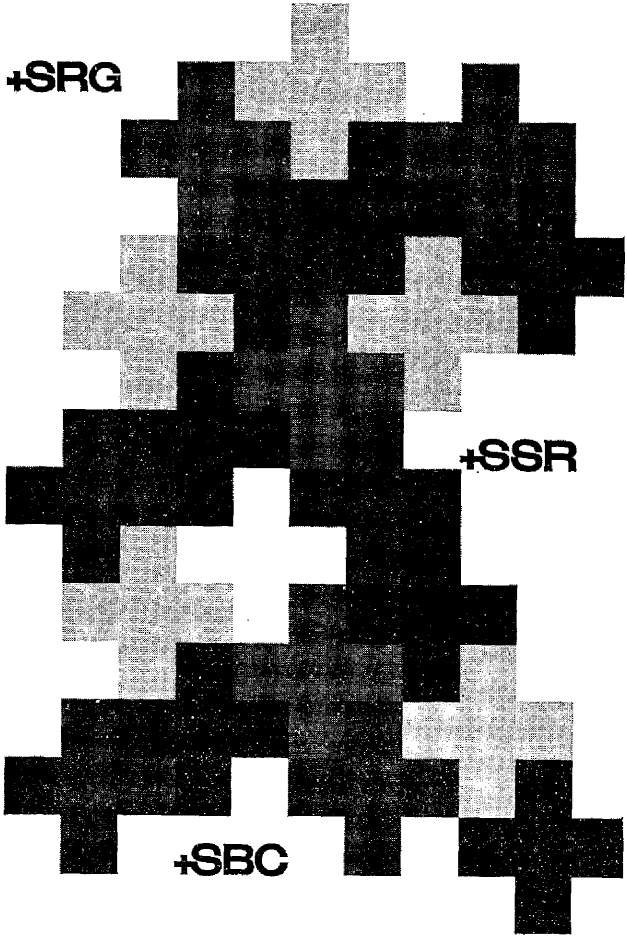
**Second Prgr:** W 16.00 (Sat 15.00)-22.20; Sun approx. 11.00-21.15. **Local broadc. in Romanche:** Tues 19.00-19.30 (Current N-items), Thurs 16.00-16.30 children's prgr. Every third week: Sun 08.15 (Sermon). **Local broadc. in German:** Sat 17.00-18.00, Sun 17.30-18.00.

| FM: | ch | MHz | kW/W |
|---|---|---|---|
| Attinghausen | 17 | 92.1 | 400W |
| Bantiger | 21 | 93.2 | 60 |
| Brig | 8 | 89.4 | 0.5 |
| Buchserberg | 33 | 96.9 | 0.25 |
| Celerina | 3 | 87.9 | 0.75 |
| Davos | 3 | 87.9 | 0.22 |
| Dèl | 38 | 98.4 | 0.75 |
| Ernen | 28 | 95.4 | 2 |
| Geissholz | 4 | 88.2 | 0.75 |
| Gotschnagrat | 36 | 97.8 | 1.2 |
| Gurtnellen | 15 | 91.5 | 90W |
| Hornfluh | 30 | 96.0 | 0.75 |
| Klewenalp | 11 | 90.3 | 22.5W |
| Ladir | 31 | 96.4 | 1.125 |
| Leuk | 36 | 97.8 | 0.75 |
| Niederhorn | 22 | 93.6 | 9 |
| Pfänder | 36 | 97.7 | 130W |
| Rigi | 32 | 96.6 | 30 |
| St. Chrischona | 40 | 99.0 | 18 |
| Sta. Maria | 6 | 88.8 | 30W |
| Säntis | 28 | 95.4 | 10 |
| Sils | 23 | 93.9 | 36W |
| Sool | 40 | 99.0 | 0.75 |
| Tarasp | 15 | 91.5 | 0.5 |
| Uetliberg | 35 | 97.5 | 1.8 |
| Valzeina | 41 | 99.3 | 0.75 |
| Weisshorn | 2 | 87.6 | 0.1 |

**FRENCH: First Prgr:** Sun 06.10-22.30, Mon-Fri 05.10-22.30, Sat 05.10-24.00.

Sottens 764kHz 392.6m 150kW — Savièse 1367kHz 219.5m 0.5kW.

# Switzerland Calling




**European and Overseas Services of the Swiss Broadcasting Corporation**

On the air to the world in English, German, French, Italian, Spanish, Portuguese, Arabic and Esperanto: World and home news, political commentaries, Actuality reports and entertainment features—Serious, light and Swiss country music concerts —Special programmes for DX-ers and jazz fans.

Write for your free copy of "Switzerland Calling", SBC's illustrated programme schedule, published in spring and autumn to:—

SBC European and Overseas Services, CH 3000 Bern 16, Switzerland.

# Switzerland

**FM: Rel. Sottens:**

| | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Bantiger | 27 | 95.1 | 12 | Leuk | 4 | 88.2 | 0.75 |
| Hornfluh | 38 | 98.4 | 0.75 | Moutier | 38 | 98.4 | 7W |
| La Chaux de Fonde | 31 | 96.3 | 1.5 | Ravoire | 41 | 99.3 | 1.2 |
| La Dole | 26 | 94.8 | 45 | Val de Travers | 28 | 95.5 | 22W |
| Les Ordons | 24 | 94.2 | 1.5 | | | | |

**N, Wrp:** 05.15 (Sun 06.15), 11.45, 17.00, 21.30 — **Comm (Current N-items):** 06.15, 07.00, 08.00, 09.00, 10.00, 11.00, 13.00, 14.00, 15.00, 16.00, 17.10, 18.00, 19.00, 22.25 — **"La situation internationale":** Fri 18.30 — **"Route Libre":** Sat 07.05 — **Symphony:** Wed 19.30.

**Second Prgr:** Sun 13.00-16.15, 19.00-21.30; W 17.00-21.30.

**FM:**

| | ch | MHz | kW | | ch | MHz | kW |
|---|---|---|---|---|---|---|---|
| Bantiger | 41 | 99.3 | 12 | Leuk | 11 | 90.3 | 0.75 |
| Hornfluh | 15 | 91.5 | 0.75 | Moutier | 18 | 92.3 | 7W |
| La Chaux de Fonde | 2 | 87.6 | 1.5 | Ravoire | 29 | 95.7 | 1.2 |
| La Dole | 14 | 91.2 | 45 | Val de Travers | 40 | 98.5 | 22W |
| Les Ordons | 42 | 99.6 | 1.5 | | | | |

**ITALIAN: First Prgr:** Sun 07.00-22.30; Mon-Thurs 06.00-13.05, 14.59-22.30; Fri 06.00-22.30; Sat 06.00-24.00.

Monte Ceneri 557kHz 538.6m 100kW.

| FM: | ch | MHz | kW/W | | ch | MHz | kW/W |
|---|---|---|---|---|---|---|---|
| Airolo | 4 | 88.0 | 0.01 | M.S. Salvatore | 39 | 98.7 | 12 |
| Brusio | 15 | 91.5 | 6W | Peccia | 4 | 88.2 | 0.1 |
| Cardada | 34 | 97.2 | 0.6 | Pizzo Matro | 36 | 97.8 | 0.75 |
| Grono | 42 | 99.6 | 1 | Poschavio | 23 | 93.9 | 12W |
| M. Ceneri | 33 | 96.9 | 0.75 | | | | |
| M. Morello | 31 | 96.3 | 0.75 | | | | |

**N, Wrp:** 06.15 (Sun 07.15), 11.30, 18.15, 22.00 — **Comm (Current N-items):** D 07.00, 09.00, 11.00, 11.35, 13.00, 15.00, 17.00, 18.20, 19.00 (Fri), 21.00, 22.05 — **Radio mattina** (for motorists): W 08.00, Sat 07.30. **Symphony:** Thurs 19.30.

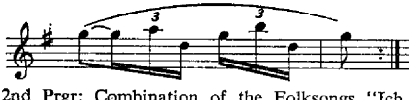
**Second Prgr:** W 17.00-21.30; Sun 13.00-16.15, 19.00-21.30.

| FM: | ch | MHz | kW/W | | ch | MHz | kW/W |
|---|---|---|---|---|---|---|---|
| Airolo | 26 | 94.8 | 0.01 | M.S. Salvatore | 20 | 93.0 | 12 |
| Cardada | 14 | 91.3 | 0.6 | Peccia | 23 | 93.9 | 0.1 |
| Grono | 26 | 94.8 | 1 | Pizzo Matro | 10 | 90.0 | 0.37 |
| M. Ceneri | 8 | 89.4 | 0.75 | | | | |
| M. Morello | 6 | 88.8 | 0.75 | | | | |

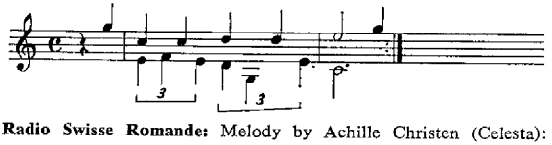
**JOINT PRGR'S:** Swiss Radio's First Programmes: W 10.05-11.00 and Sat 22.30-24.00. Second Prgr: W 18.00-19.00.

**ANN:** German: "Hier ist das Schweizer Radio". French: "Radiodiffusion suisse, programme romand". Italian: "Radio della Svizzera Italiana, Stazione nazionale di Monte Ceneri, Studio di Lugano".

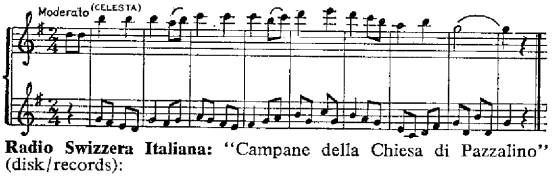
**INT-SIG: Schweizer Radio** 1st Prgr: From Rossini's Wilhelm Tell Ouverture:



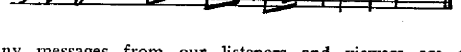
2nd Prgr: Combination of the Folksongs "Ich bin ein Schweizerknabe" and "Lueget vo Bärge-n und Tal":



**Radio Swisse Romande:** Melody by Achille Christen (Celesta):




**Radio Swizzera Italiana:** "Campane della Chiesa di Pazzalino" (disk/records):



**V.** Any messages from our listeners and viewers are most welcome. Both QSL-card and letter are used — **PUB:** "Radio+ Fernsehen". "Radio TV — Je vois tout". "Radiotivu — **FI:** By licence fee — **ALF:** Frcs. 33,-. (to be increased from Jan. 1st, 1968).

## FOREIGN SERVICES

**Schwarzenburg (G.C:** 07.24E/46.49N): 4 x 100kW, 2 x 250kW tr's (directional for overseas tr's) — **Beromünster (G.C:** 08.10E/47.12N): 2 x 250kW tr's (omnidirectional, European Prgr):

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 3985 | 75.28 | 9595 | 31.27 | 11865 | 25.28 | 15430 | 19.44 |
| 6015 | 49.88 | 9665 | 31.04 | 11880 | 25.25 | 17830 | 16.83 |
| 6120 | 49.02 | 9695 | 30.94 | 15135 | 19.82 | 17845 | 16.81 |
| 6165 | 48.66 | 11715 | 25.61 | 15305 | 19.60 | 21520 | 13.94 |
| 9535 | 31.46 | 11775 | 25.48 | 15320 | 19.58 | 21540 | 13.93 |
| 9590 | 31.28 | | | | | | |

**Schedules** (5/11/67-4/5/68)

**EUROPEAN SERVICE:** Omnidirectional (covering Europe and No. Africa) on 3985/6165/9535kHz: W 05.45-23.00; Sun 06.00-23.00; **English** W 07.00-08.00 (for details see "Prgr's in English"); **German-French-Italian** W 05.45-07.00, 08.00-23.00; Sun 06.00-23.00 — **N: English** 07.00; **German** 06.00 (W), 06.45 (Sun), 11.30, 18.15, 22.30; **French** 06.15 (W), 07.00 (Sun), 11.45, 19.15, 22.45; **Italian** 06.30 (W), 07.15 (Sun), 12.15, 19.00, 22.00; **Esperanto** 12.05 (Mon/Wed), 21.50 (Thurs/Sat).

**Prgr's for Swiss Abroad:** 08.00-08.30 (W), D 12.30-13.00, 17.45-18.15 (Swiss-German: Tues, Fri, Sun; French: Mon, Thurs; Italian: Wed, Sat).

**OVERSEAS SERVICES**

I=Africa; II=UK/Eire; III=Spain/Portugal; IV=Australia, New Zealand; V=Japan/China; VI=SE Asia, India, Pakistan; VII=Near East; VIII=So. America; IX=Ce. America; X=No. America (East); XI=No. America (West); SA=For Swiss Abroad.

| Times | kHz/Beam | Areas | Languages |
|---|---|---|---|
| 07.00-08.30 | 9590(260°), 11775(245°) | IV | **English**/SA |
| 08.45-09.45 | 15135(50°), 17830(65°) | V | **English** |
| 10.00-13.00 | 15305(140°), 17830(200°) 21520(170°) | I | **English**, German-French-Italian, SA |
| 11.30-13.00 | 9665/11865(305°) | II | **English**, SA |
| 13.15-14.45 | 15305/17845/21520(80°) | VI | **English**, SA |
| 13.30-14.45 | 9665/11865(245°) | III | SA, Spanish |
| 15.00-17.00 | 11775(110°), 15305/17830(125°) | VII | **English**, SA, Arabic |
| 15.30-17.30 | 21540(245°) | VIII | Spanish, SA, Portuguese |
| 17.15-19.15 | 11775(140°), 15305(170°) | I | Arabic, French, **English** |
| 19.30-20.30 | 6015/9665(305°) | II | **English** |
| 20.45-22.45 | 6015/9665(245°) | III | Portuguese/Spanish |
| 23.15-01.15 | 9595/11715(230°), 15305(245°) | VIII | Portuguese/SA/Spanish |
| 01.30-03.00 | 6120/9535/11715(305°) | X | **English**/SA |
| 03.15-04.30 | 6120/9535(290°) 9695(260°) | IX | Spanish/SA |
| 04.45-06.15 | 6120/9695(320°) | XI | **English**/SA |

**PRGR'S IN ENGLISH**

Each tr 60 min — All tr's begin with T.S. and N — Features: **Commentary:** Mon-Fri — **Echoes from Switzerland:** Mon-Fri — **Swiss Concert Hall** (incl. "Famous Composers in Switzerland"): Mon — **Spotlight on Sports & Swiss Gazette:** Tues — **Melody Train:** Wed — **Thursday Feature** (Monthly features: "Perspectives" first and third week, "The Feminine Touch", second week, "Swiss Contest" fourth week): Thurs — **Jazz Panorama:** Fri — **Swiss Shortwave Merry-go-Round:** Sat — **Swiss Sunday Special** (Bells of Switzerland, In His Name, Melody Train-Mailbag Show): Sun.

**PRGR'S IN SPANISH**

Each tr 45 min — All tr's begin with T.S. and N — Features: **Commentario político** o **La semana en Suiza** (Commentary or Weekly Review): W — **Intermedio** musical (musical interlude): W — **Pinceladas de actualidad** (Topical reports): Tues, Thurs, Sat — **Mensajes musicales** (Request Prgr.): Thurs, Sat — **Miscelánea quincenal** o **Suiza en sus museos** (Fortnightly Magazine or Switzerland across its museums), **Ritmos de hoy** (Rhythms of today): Mon — **Música ligera suiza** (Light Swiss Music): Tues — **Apuntes económicos** (Economic Talks), **Compositores suizos** (Swiss Composers): Wed — **Berna, reflejo de Suiza** (Bern, the mirror of Switzerland), Actualidad femenina (Feminine topics), **Música popular suiza** (Swiss Folk Music): Fri — **Concierto de orquesta** (Orchestra concerto), **Ecos de Suiza** (Echoes from Switzerland): Sun.

**PRGR'S IN PORTUGUESE**

Each tr 45 min — All tr's begin with T.S. and N — Features: **Actualidade Internacional** (World Topics): Mon, Wed, Thurs, Fri — **Caixa Postal 3000 Berna 16** (Mbg): Mon — **Economia em Foco** (Economic notes), **Trilha Sonora** ou **Magazine** (Soundtrack or Magazine): Tues — **Música Popular Suiça** (Swiss Folk Music): Wed — **Arte e Cultura** (Art and Culture): Thurs — **Aquarela Musical** (Light Music): Fri — **Ecos da Suiça** (Echoes from Switzerland), **Tribuna Semanal** (Weekly Roundup): Sat — **Aqui Suiça** (Request Prgr.): Sun.

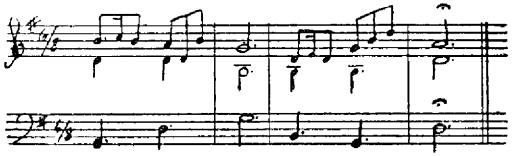
**PRGR'S IN ARABIC**

Each tr 30 min — All tr's begin with T.S. and N — Features: **Commentaries:** Mon-Fri — **Believe it or not:** Mon — **Mailbag**

**Show:** Tues — **Swiss Folk Music:** Wed — **Swiss Universities and Highschools:** Thurs — **Request Prgr.:** Fri — **Magazine:** Sat — **Arabic Music:** Sun.

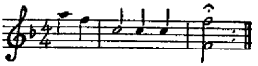
**PRGR'S IN FRENCH (for Africa)**
Each tr 30 min — All tr's begin with T.S. and N — Features: **Bonsoir l'Africa** (Topical Reports): W — **Page de la vie du monde** (Polit. Comm.): Mon-Fri — **Sports** (Sports Roundup): Mon — **Médecine et Santé** (Health Magazine): Tues — **Education:** Wed — **Portrait** (Famous Swiss Personalities): Thurs — **Enquêtes et documents** (Investigations and Documents): Fri — **Technique** (Technical Report), **Le monde cette semaine** (Weekly Review): Sat — **Culture-Magazine** (Culture Magazine): Sun.

**SUNSPOT NUMBERS:** Reception and tr. times are as follows: 9th/10th Dec, 6th/7th Jan, 10th/11th Feb, 9th/10th March, 6th/7th April, 4th/5th May.
**In English:** (during the last 5 min of "Swiss Shortwave Merry-go-round"): Sat: 07.50 (IV), 09.35 (V), 10.50 (I), 12.20 (II), 14.05 (VI), 15.50 (VII), 19.05 (I), 20.20 (II), Sun: 02.20 (X), 05.35 (XI).
**In Spanish:** (right after the prgr "Mensajes Musicales"): Sat 14.40 (III), 16.10 (VIII), 22.10 (III), Sun: 01.10 (VIII), 03.55 (IX).
**INT-SIG:** "Luegit vo Bärg und Tal" (trad. German-Swiss folk song) played on music-box:



**V.** Correct reports to SBC European & Overseas Service, CH 3000 Bern 16, Switzerland, verified by QSL-card or letter. **IRC** if airmail reply required — **PUB:** Prgr. schedule "Switzerland Calling" (twice a year, spring and autumn, also in German, French, Spanish, Portuguese and Arabic); report cards and report sheets (airletters) free upon request. No DX-Club, no pennants, no pen-pals.

**UNITED NATIONS BROADCASTING FROM GENEVA**
**ADDR:** R. de Nations Unies, Palais des Nations, Geneva. **Cable:** Omnipress. **Te:** 346011, Ext. 2315/2566 — **L.P:** Dir. Inf: J. G. Lindström. Chief R. Operations: R. Nivelle.
**FOREIGN SCE:** 7443kHz 40.31m 25kW: **Russian** Mon-Fri 18.30-18.40 — U.N Prgr. in **Arabic** (to No. Africa/Mid. East) Mon-Fri 19.20-19.30 on 11925/15400/17770kHz (via RAI) and Mon-Fri 20.00-20.15 on 11920/15160kHz (via ORTF).
**ANN:** E: "This is the United Nations R. in Geneva"; F: "Ici les Nations Unies à Genève" — **INT-SIG:**



**V.** by QSL-card or letter.

**BROADCAST FROM THE INTERNATIONAL COMMITTEE OF THE RED CROSS, GENEVA**
**ADDR:** Int. Comm. of the Red Cross, 7 Ave. de la Paix, 1211 Geneva 1. **L.P:** Dir: P. Basset.
**In Peace time:** ICRC organizes occasional test transmissions (6 times a year) on the frequency of 7210kHz 41.61m by courtesy of Swiss Short Wave Service at the following hrs: 06.00-07.00, 11.30-12.30, 17.00-18.00, 23.00-24.00 in **French, English, Spanish.**
**In 1968:** Jan 22, 24, 26; March 18, 20, 22; May 20, 22, 24; July 22, 24, 26; Sept 23, 25, 27; Nov 18, 20, 22 — **Prgr's** consist of ICRC-actualities and tracing service. **In times of crisis:** ICRC broadcast programmes containing information regarding prisoners of war and civilians on the same frequency as well as on others lent by the Swiss authorities, up to 12 hours per day — **ANN:** E: "This is R. Inter-Red-Cross calling". F: "Ici R. Inter-Croix-Rouge". Sp: "Aqui R. Inter-Cruz-Roja" — **V.** by QSL-card. Recordings accepted.

## U.S.S.R.

**L.T:** See time table — **Pr.L:** Russian, Ukrainian, Byelorussian, Uzbek Tatar, Kazakh, Azerbaidjanian, Armenian, Georgian, Lithuanian, Moldavian, German, Estovian, Latvian, Chuvash, Tadjik.

**STATE COMMITTEE FOR BROADCASTING AND TELEVISION (Gov.)**
**ADDR:** Pjatnitskaja ulitza 25, Moscow. **Cable:** Moskva Radio. **Te:** 33-63-56 — **L.P:** Pres. of Broadc. Committee: N. N. Mesyatsev. 1st Vice-Pres: E. N. Mamedov. Vice-Pres. (TV): G. A. Ivanov. Vice-Pres. (Radio): A. A. Rapokhin. Vice. Pres. (Constr): L. S. Maksakov. Dir. Tec. (Radio): V. F. Zjelesova. Chief Foreign Relations: M. Monusov.

**STATIONS**

**LONG & MEDIUM WAVES:**
Stations in fat types also use shortwave.

| Station | kHz | m | kW | H of tr. |
|---|---|---|---|---|
| **Moscow I** (RSFSR) | 151 | 1987 | 50 | 02.00-22.00, |
| **Petropavlovsk** (RSFSR) | 155 | 1935 | 10 | 16.30-08.00 |
| **Tashkent** (Uzbekistan) | 164 | 1829 | 50 | 00.00-19.30 |
| **Moscow II** (RSFSR) | 173 | 1734 | 500 | 02.00-01.00 2 prgr. |
| **Chita** (RSFSR) | 173 | 1734 | 20 | 21.00-16.00 |
| **Alma-Ata** (Kazakhstan) | 182 | 1648 | 50 | 00.00-20.00 |
| Kamchatka (RSFSR) | 182 | 1648 | | 18.30-13.00 |
| **Tbilisi** (Georgia) | 191 | 1571 | 50 | 01.55-10.00, 13.00-21.03 |
| **Irkutsk** (RSFSR) | 200 | 1500 | 100 | 22.00-19.00 |
| **Moscow III** (RSFSR) | 200 | 1500 | 100 | 06.00-13.30 |
| **Blagovechensk** (RSFSR) | 209 | 1435.4 | 50 | 08.30-15.00 |
| **Kiev I** (Ukraine) | 209 | 1435 | 150 | 02.00-10.00, 13.00-22.00 |
| **Baku** (Azerbaijan) | 218 | 1376 | 50 | 02.00-10.00, 13.00-22.00 |
| **Krasnoyarsk** (RSFSR) | 218 | 1376 | 50 | 23.00-18.00 |
| **Tselinograd** | 227 | 1322 | 50 | |
| **Leningrad I** (RSFSR) | 236 | 1271 | 100 | as 151kHz (1.prgr.) |
| **Magadan** (RSFSR) | 236 | 1271 | 20 | 18.00-13.00 |
| **Vladivostok** (RSFSR) | 245 | 1224 | 100 | 15.00-08.00 |
| **Dushanbé** (Tadjikistan) | 254 | 1181 | 50 | 00.00-21.00 |
| Kazan (Tatar ASSR) | 254 | 1181 | 100 | 02.00-14.00 |
| **Yakutsk** | 263 | 1141 | 10 | 21.00-16.00 |
| **Moscow I** (RSFSR) | 263 | 1141 | 150 | 02.00-22.00, |
| **Novosibirsk** (RSFSR) | 272 | 1103 | 100 | 23.00-21.00 |
| **Minsk II** (Byelorussia) | 281 | 1068 | 100 | 02.00-22.00 |
| **Ulan-Ude** | 281 | 1068 | 10 | 22.00-17.00 |
| **Khabarovsk** (RSFSR) | 335 | 896 | 150 | 19.30-15.00 |
| Saratov (RSFSR) | 340 | 882.4 | 100 | 02.00-07.00, 16.00-22.00 |
| **Dushanbé** (Tadjikistan) | 350 | 857 | 20 | 00.00-21.00 |
| **Yuzno-Sakhal.** (RSFSR) | 360 | 883 | 100 | 19.25-21.45, 01.00-11.30 |
| **Yerevan** (Armenia) | 362 | 828.7 | 50 | 02.00-11.30, 13.00-22.00 |
| **Ashkhabad** (Turkmenia) | 375 | 800 | 10 | 02.00-11.00, 13.00-21.00 |
| **Arkhangelsk** (RSFSR) | 380 | 789 | 50 | 20.00-14.00 (4th prgr.) |
| Kharkov (Ukraine) | 385 | 779 | 50 | 15.00-22.00 (2.+3.prgr.) |
| Omsk (RSFSR) | 394 | 760.4 | 50 | 00.00-06.00, 10.00-15.00 |
| **Moscow IV** (RSFSR) | 395 | 759.5 | 100 | 19.00-15.00 (2.+4.prgr.) |
| **Tashkent II** | 400 | 750 | 50 | 00.00-21.03 |
| **Minsk II** (Byelorussia) | 400 | 750 | 50 | 02.00-12.00, 15.00-23.30 |
| Odessa (Ukraine) | 548 | 547 | 100 | 03.00-22.00 (2.prgr.) |
| **Vladivostok** (RSFSR) | 548 | 547 | 100 | 08.00-16.00, 21.00-23.00 |
| Volgograd (RSFSR) | 557 | 539 | 10 | 02.00-21.00 |
| Riga I (Latvia) | 575 | 521.7 | 100 | 03.00-23.00 |
| Astrakhan (RSFSR) | 593 | 505 | 10 | 23.00-22.00 |
| **Frunze** (Kirghizia) | 611 | 491 | 25 | 00.00-20.00 |
| **Petrozavodsk** | 611 | 491 | 100 | 02.30-09.20, 11.00-22.00 |
| Krasnodar (RSFSR) | 611 | 491 | 20 | |
| **Vladivostok** (RSFSR) | 629 | 476.9 | 100 | 19.00-15.30 |
| Simferopol (Ukraine) | 647 | 464 | 100 | 02.00-12.00, 13.00-22.00 |
| Murmansk (RSFSR) | 656 | 457.3 | 150 | 02.00-22.00 |
| **Vilnius** (Lithuania) | 665 | 451.1 | 100 | 02.00-22.00 |
| Tsjernovtsy (Ukraine) | 674 | 445.1 | 100 | 03.00-12.00, 13.45-22.00 |
| **Ufa** (Bashkir ASSR) | 692 | 433.5 | 100 | 01.00-12.00, 14.30-21.00 |
| Donetsk (Ukraine) | 710 | 422.5 | 150 | 02.00-12.00, 13.00-22.00 |
| **Tallinn** (Estonia) | 710 | 422.5 | 150 | 03.00-23.00 |
| Chelyabinsk (RSFSR) | 737 | 407.1 | 10 | 01.00-20.00 |
| **Moscow II** (RSFSR) | 737 | 407.1 | 20 | 06.00-12.00, 16.00-20.30 |
| **Tselinograd** | 746 | 402 | 20 | 00.00-21.03 |
| Odessa (Ukraine) | 764 | 392.7 | 10 | 01.55-12.00 |
| **Kiev II** (Ukraine) | 782 | 383.6 | 100 | 02.00-12.00, 13.00-15.30 |
| Karaganda | 782 | 383.6 | 20 | 00.00-21.03 |
| **Leningrad II** | 800 | 375 | 100 | 03.00-22.00 |
| **Dushanbé** (Tadjikistan) | 800 | 375 | 100 | 08.00-18.30 |
| Kuibyshev (RSFSR) | 809 | 371 | 10 | 02.00-13.00, 15.00-22.00 |
| Gorkij (RSFSR) | 827 | 363 | 20 | 03.00-22.00 2.prgr. |
| Kharkov (Ukraine) | 836 | 358 | 20 | 16.00-22.00 |
| Kazan (Tatar ASSR) | 845 | 355 | 10 | 03.00-11.00, 13.00-22.00 |
| **Yerevan** (Armenia) | 863 | 347.6 | 100 | 02.00-11.00, 11.50-22.05 |
| **Moscow** (RSFSR) | 872 | 344 | 150 | 04.00-03.00 (2.+3.prgr.) |
| Stavropol (RSFSR) | 881 | 340 | 20 | 02.00-22.00 |
| Ushgorod (Ukraine) | 890 | 337.1 | 50 | 02.00-12.00, 13.00-22.00 |
| Makhachkala | 917 | 327.2 | 50 | 02.00-22.00 |
| Lvov (Ukraine) | 935 | 320.9 | 300 | 02.00-12.00, 13.00-01.00 |
| Voronej | 944 | 318 | 20 | |
| Smolensk (RSFSR) | 971 | 309 | 150 | 07.00-16.00 (1st prgr.) |
| **Yuzhno-Sakhal.** | 973 | 308 | 20 | 19.25-21.45, 01.00-13.05 |
| Kishinjov (Moldavia) | 998 | 300.6 | 100 | 03.00-11.00, 12.00-23.00 |
| **Baku** (Azerbajan) | 1016 | 295.3 | 100 | 14.00-20.00, 01.55-10.00 |
| Tomsk (RSFSR) | 1025 | 292.7 | 200 | 03.00-22.00 (1st prgr.) |
| **Tallinn I** (Estonia) | 1034 | 290.1 | 100 | 03.00-22.00 |
| **Tbilisi** (Georgis) | 1043 | 287.6 | 100 | 02.00-21.00 |
| Dnjepropetrovsk | 1070 | 280.4 | 20 | 03.00-12.00, 13.00-22.00 |
| Perm | 1088 | 275.5 | 20 | 01.00-21.03 |
| **Vilnius II** (Lithuania) | 1106 | 271.2 | 100 | 04.00-21.00 |
| Kaliningrad (RSFSR) | 1115 | 269.1 | 20 | 02.00-22.00 (1st prgr.) |

# U.S.S.R.

| Station | kHz | m | kW | H of tr. |
|---|---|---|---|---|
| **Leningrad III** (Vyborg) | 1124 | 266.9 | 20 | 03.00-22.00 |
| **Moscow II** (RSFSR) | 1142 | 262.7 | 50 | 03.00-22.00 (2.prgr.) |
| **Vladivostok** (RSFSR) | 1151 | 260.9 | 100 | 20.00-00.00, 09.00-15.00 |
| **Kiev** (Ukraine) | 1169 | 256.6 | 150 | 02.00-15.30 (1st prgr.) |
| Kursk (RSFSR) | 1214 | 247.1 | 20 | |
| Tallinn II (Estonia) | 1214 | 247.1 | 20 | 02.55 (Sun 03.25)-23.00 |
| Odessa (Ukraine) | 1241 | 241.7 | 50 | 16.00-24.00 |
| **Khabarovsk** (RSFSR) | 1250 | 240 | 100 | 21.00-09.30 (2.prgr.), |
| **Moscow III** | 1277 | 234.9 | 20 | 04.00-03.00 |
| Simferopol (Ukraine) | 1313 | 228.5 | 50 | 16.30-24.00 |
| Kharkov (Ukraine) | 1322 | 226.9 | 100 | |
| Kohtla Järve (Estonia) | 1331 | 225.4 | 20 | 02.55 (Sun 03.55)-21.03 |
| Pärnu (Estonia) | 1331 | 225.4 | 20 | |
| Kuldiga (Latvia) | 1349 | 222.4 | 20 | |
| Madona (Latvia) | 1349 | 222.4 | 20 | 03.00-21.03, 21.05-22.00 |
| Valmiera (Latvia) | 1349 | 222.4 | 20 | |
| **Moscow II** | 1367 | 219.5 | | 03.00-22.00 (2.prgr.) |
| **Vladivostok** (RSFSR) | 1376 | 218.2 | 10 | 20.00-08.30 |
| Kiev III (Ukraine) | 1376 | 218.2 | 50 | 16.00-22.00 |
| Kaunas (Lithuania) | 1385 | 216.6 | 150 | 05.00-15.00 (3.prgr.) |
| Orissare (Estonia) | 1403 | 213.8 | 10 | 02.55 (Sun 03.25)-21.03 |
| Tartu (Estonia) | 1403 | 213.8 | 20 | |
| Kiev III (Ukraine) | 1403 | 213.8 | 10 | 16.00-22.00 |
| Riga (Latvia) | 1421 | 211.1 | 10 | 03.00-22.00 |
| Kiev II (Ukraine) | 1439 | 208 | 50 | 17.00-21.03 |
| Kiev II (Ukraine) | 1466 | 204.6 | 20 | 17.00-21.03 |
| Riga III (Latvia) | 1484 | 202.2 | 5 | 03.00-22.00 |
| **Leningrad** (RSFSR) | 1493 | 200.9 | 50 | 16.30-00.30 |
| Gomel (Ukraine) | 1493 | 200.9 | 20 | 02.00-11.00 |
| **Dushanbé** (Tadjikistan) | 1502 | 199.7 | 10 | 00.00-19.00 |
| Vinnitsa (Ukraine) | 1546 | 194 | 50 | 15.30-21.30 |
| Baranovitchi | 1554 | 193 | 20 | 04.00-21.00 |
| Turi (Lithuania) | 1554 | 193 | | 04.00-23.00 |
| **Moscow II** | 1570 | 191.1 | 10 | 03.00-11.00, 20.00-24.00 |
| **Moscow II** | 1586 | 189.1 | 10 | 19.00-17.00 |

**Shortwaves:** For R. Moscow and Regional shortwave st's: Please refer to the pages: Short Wave Stations of the World.

**HOME SERVICES**

**1st Prgr** (for European USSR, Caucasus, Ural and Central Asia): On 173kHz (Moscow) 02.00-22.00; On 236kHz (Leningrad) 02.00-11.00, 12.00-22.00 (Sat/Sun 02.00-22.00); On 263kHz (Moscow) 02.00-22.00; On 971kHz (Smolensk) 07.00 (Sun 06.15)-15.00; On 1115kHz (Kaliningrad) 02.00-22.00; On 1439kHz: 07.00 (Sun 06.15)-16.00; In **49 m.b.** (5910-6165kHz): 02.00-22.00; In **41 m.b.** 02.00-21.00; In **31 m.b.** 02.00-14.05, 15.30-22.00; In **25 m.b.** 04.00-15.00; On 69.7MHz **03.00-22.00.**

**2nd Prgr ("Mayak"** for European USSR, Caucasus, Ural, Central Asia, Siberia, Far East): 24 h.

On 151kHz: **02.00-20.00**; On 155kHz: **17.00-19.00**; On 200kHz: 06.00-13.00; On 340kHz (Saratov): 07.00-22.00; On 350kHz: 00.00-12.00, 18.00-23.00; On 385kHz (Kharkov): 14.30-22.00; On 400kHz (Minsk): 15.00-23.30; On 548kHz (Odessa): 03.00-22.00; On 593kHz (Astrakhan): 23.00-22.00; On 611kHz (Petrozavodsk): 06.00-14.00, 17.00-21.00; On 629kHz (Vladivostok): 19.00-08.00; On 737kHz (Chelyabinsk): 06.00-11.30, 15.00-20.30; On 809kHz (Kuibyshev): 02.00-13.00, 15.00-22.00; On 827kHz (Gorkij): 03.00-22.00; On 872kHz: 01.00-04.00, 20.00-22.00; On 944kHz (Voronesh): 06.00-14.00, 19.00-22.00; On 1142kHz: 03.00-22.00; On 1150kHz (Khabarovsk): 09.00-18.30; On 1250kHz (Khabarovsk): 00.00-07.30; On **1277kHz**: 20.00-03.00; On 173/935kHz: 22.30-01.30; On 263kHz: 22.00-01.00; On 773kHz; 02.00-14.00; On 809kHz: 01.00-13.00, 15.30-21.00; On 1025kHz: **23.00-12.30**, 17.00-19.00; On 1439kHz: 16.00-22.00, 03.00-06.00; On 1466kHz: 00.00-19.00; On 1525kHz: 03.30-21.00. In **49 m.b.** (5900-6200kHz); **41 m.b.** (7100-7350kHz), **31 m.b.** (9470-9800kHz), **25 m.b.** (11700-12060kHz): 24 h. On 66.4MHz: 03.00-22.00.

**Third Prgr** (for the Central Territory of the Russian Federation): 10.00-22.00.

On 400kHz (Minsk): 10.00 (Sun 04.00)-14.00; On 692kHz (Ufa): 06.00-12.00, 15.00-20.00; On 872kHz: 04.00-20.00; On 1241kHz: 04.00-14.00; On 1277kHz: 04.00-20.00; On 1322kHz (Kharkov): 15.00-20.00; On 1385kHz (Kaunas): 04.00-15.00; On 872kHz: 04.00-20.00; On 1241kHz: 04.00-14.00; On 1358kHz: 04.00-20.00; On 4055kHz: 04.00-20.00; In **49 m.b.** (5920-6065kHz): 04.00-20.00; In **41 m.b.** (7195-7275kHz): 04.00-05.15, 14.30-20.00; In **31 m.b.** (9565-9660kHz): 04.00-20.00; In **25 m.b.** (11570-11945kHz): 04.00-20.00. On 67.22MHz: 04.00-13.00.

**4th Prgr "A"** (for East Siberia/Far East): 19.00-15.00.

On 155kHz: 19.00-12.00; On 380kHz: 20.00-15.00; On 395kHz: 20.00-15.00; On 1475kHz: 23.00-07.30; On 1550kHz: 09.30-15.00; On Shortwaves (Vladivostok & Novosibirsk): In **49 m.b**; 19.00-15.00; In **41 m.b.** (7330-7390kHz): 19.00-01.00, 09.00-15.00; In **31 m.b:** 19.00-09.00, 13.00-15.00; In **25 m.b.** (11905-12040kHz): 22.00-09.30.

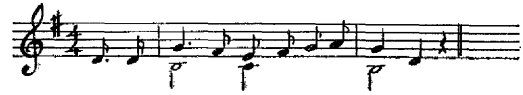
**4th Prgr "B"** (for West Siberia): 23.00-19.30.

On 272kHz (Novosibirsk): 23.00-19.00; On 394.5kHz: 00.00-19.30; On Shortwaves (Vladivostok & Novosibirsk): **4885kHz:** 23.00-19.00; On **5980kHz:** 23.00-04.10; In **41 m.b.** (7100-7350kHz): 23.00-05.15, 12.50-19.00; In **31 m.b.** (9590-9605kHz): 00.00-15.00; On **11710kHz:** 04.40-14.30.

**Special Prgr's in German** for Ural, Ce. Asia, Siberia, Altai: D 12.00-12.30 on 227kHz (for Kazakhstan, Siberia, Altai), 737 kHz (for Ural, We. Siberia) and in 25, 19 m.b; D 16.30-17.00 on 1025kHz (for Siberia, Altai).

**ANN: R:** "Govorit (name of station: Moska, Alma-Ata, Baku, Leningrad, Tashkent etc)". G: (R. Moscow): "Hier ist Moskau mit seiner Sendung für die Sowjetdeutsche Bevölkerung".

**INT-SIG: For Home & Foreign Service:**



**PUB:** "Radioprogrammy" (weekly) and "Televidenye" (weekly).

**REGIONAL STATIONS**

**R. ALMA-ATA — L.P:** Pres: K. N. Shabalayev.

**1st Prgr. in Kazakh, Russian, German:** 00.00-13.00 on 182/227/746/782/4544/5260/6180/9250/9380/1053kHz (01.00-02.00 not on 9250/6180kHz), 13.00-20.00 on 182/5260/6180/9380/10530kHz. **N:** Kazakh: 00.03, 02.00, 07.25, 10.30 (W), 14.00 (W), 12.30 (Sun). Russian: 00.06, 02.07, 07.35, 12.40 (Sun), 14.10 (W) — **Wrp:** 01.35, 10.38 (W) — **Kazakh music:** 04.10, 09.10, 13.00 — **Concert:** 05.15, 07.00, 07.40 — **German** (N & Prgr): Wed, Fri 04.10-04.40; Tues, Thurs/Sat 11.30-12.00.

**Rel. R. Moscow:** 00.30 (Sun 01.00)-01.30, 03.00-03.15, 04.00-04.15 (Press), 04.40-05.20, 06.00-06.30, 09.00-10.00, 11.00-11.30 (Sun 12.00), 12.00-13.00, 14.00-15.00 (Sun), 15.00-16.00, 17.00 (Sat 18.00)-20.00 (incl. N from Moscow: 01.00, 03.02, 05.00, 09.00 (W), 15.00, 19.00). **Prgr for Farmers:** 01.00-02.00 on 227/9250/6180kHz in Kazakh. **N:** 01.00, 16.00-17.00 (Sat 18.00) on 182/5260/6180/9380/10530kHz: Kazakh: 16.00-16.30; Russian: 16.30-17.00.

**2nd Prgr (Cult) in Kazakh:** 13.00-18.00 on 746/4544/9250kHz: **Ann:** Kazakh: "Almatydan sölep turmys", Russian: "Govorit Alma-Ata". German: "Hier ist Alma-Ata mit seiner Sendung für die deutsche Bevölkerung in Kasachstan" — **INT-SIG:** Kazakh folk song — **V.** by QSL-card. Reply in Russian. Rp.

**R. ARKHANGELSK in Russian, Saami: 1st Prgr:** 02.00-11.00 on 5930kHz; 13.00-21.03 on 5015kHz. **Own Prgr's:** D 05.14-05.55, 14.03-15.00, 16.00-16.55. **N:** 05.40, **14.45, 16.00.**

**R. ASHKHABAD — L.P:** Pres: **Y. Khodshayev.**

**In Turkmenian, Russian:** 00.55-09.00, 13.00-22.00 on 375/4825 kHz — **Turkmenian:** 01.00-03.00, 03.15-04.00, 04.15-05.40, 07.00-08.00, 13.00-15.00, 16.00-18.00 — **Ann:** Turkmenian: "Gepleyär Ashkhabad" — **V.** by QSL-card. Rep. in Russian. Rp.

**R. BAKU: In Azerbaidjan, Russian, Armenian:**

**1st Prgr:** D 01.55-11.00, 12.30-22.00 on 218/4958kHz, 01.55-04.00, 05.00-11.00 also on 9490kHz.

**N: Azerbaidjan:** 02.00, 09.00, 12.30, 15.00, 18.00. **N. in Russian:** 06.45, 16.10, 18.15.

**Prgr. in Armenian:** 07.15-08.00. **N:** (Rel. R. Yerevan) 15.40 — **2nd Prgr:** On 4958kHz 14.00-20.00 — **Ann:** Azerbaidjan (Home & Foreign Sce): "Danishir Baku" — **V.** by QSL-card.

**R. BARNAUL (Altai):**

**1st Prgr:** 00.00-17.00 on 310kHz/FM — **Own Prgr's:** 01.10-02.00, 12.00-14.00. **German** (for Kulunda-Zone): Wed 13.20-13.43.

**R. CHELYABINSK: In Russian, Bashkirian, German: 1st Prgr:** On 737kHz: 00.55-12.00, 12.30-21.03. **Own Prgr's:** 02.00-03.00, 03.30-06.00, 14.00-16.00 — **N: Russian:** 02.00, 14.00. **Bashkirian:** 03.30, 15.30 — **Rel. R. Moscow:** 01.00-02.00, 03.00-03.30, 06.00-12.00, 16.00-21.00 (2nd Prgr. incl. **N** at 01.00, 03.03, 06.00, 07.00, 08.00, 09.00, 10.00, 11.00, 16.00, 17.00, 18.00, 19.00) — **German:** 12.00-12.30 (**N**, Prgr).

**R. DUSHANBE—ADDR:** Gorod Dushanbé, ul. Ordzonikidee 7, Dushanbé, Tadjik SSR — **L.P:** Pres: V. Sharipov.

**1st Prgr:** 00.00-21.03 on 254/4635kHz in Tajik, Russian, Uzbec. **N. in Tajik:** 00.04, 05.50, 11.50, 16.00, 17.00. **N. in Russian:** 04.45, 14.00. **N. in Uzbec:** 13.00 — **2nd Prgr:** 08.00-13.30 on 800/4975kHz. **Own Prgr:** 09.00-10.10, 10.25-11.30, 12.00-13.30. **Ann:** Tadjik: "Insto Dushanbé", Russian: "Govorit Dushanbé".

**R. FRUNZE: L.P:** Pres: A. U. Botokhanova — **1st Prgr: In Kirghiz, Russian, German:** On 611/4008kHz: Mon-Fri 00.00-09.35, 11.00-20.00, Sat/Sun 00.00-20.00. **N: (Kirghiz & Russian):** 01.00, 08.00, 13.00 — **Folklore:** 00.05 — **German:** Tues 03.45-04.00, Sat 10.40-11.00 — **Rel. R. Moscow:** 01.20-02.15, 05.45-06.15, 11.30-12.30, 17.00-20.00 — **N: (R. Moscow):** 00.30, 02.00, 03.00, 04.00 (Press), 05.00, 15.00, 16.00, 17.00 — **Ann:** "Govorit Frunze", "Hier ist Frunse".

**R. KALININGRAD: 1st Prgr:** 1115kHz/66.0MHz: 02.00-22.00. **Own Prgr's:** D 05.11-06.00, W 11.10-11.30 Sun 10.00-11.00, 14.01-15.00 (Tues, Thurs, Sat, Sun), 15.30-17.00 (Mon, Wed, Fri). **N:** 05.15, 12.45 (navigation N), 14.30 or 15.30. Other times Rel. R. Moscow II.

**R. KIEV — ADDR:** Ukrainske Radio, R. Centre, ul. Khreshchatik 24, Kiev, Ukrainian SSR — **L.P:** N. Skatjko.

**1st Prgr:** On 209kHz: 01.55-10.00, 13.00-22.00 (Sun 01.55-22.00). On 782kHz; 01.55-04.10, 04.40-12.00. On **4940kHz:** 03.55-13.00;

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TIMES AND WAVELENGTHS MAY BE FOUND ON PAGE 144 IN THIS HANDBOOK

# U.S.S.R.

**On 6020kHz:** 05.30-13.30; On 68.5MHz: 01.55-04.10, 04.40-12.00, 13.00-22.00 — **2nd Prgr:** On 782kHz: 13.00-14.00, 15.00-15.30. On **4940kHz:** 13.00-16.00; On **6020kHz:** 15.00-16.00.
**Special Informative & Musical Prgr:** On 782kHz: 06.00-15.30; On 385kHz (Kharkov): 06.00-12.00; On 836kHz (Vinnitsa): 16.00-22.00; On 1241/1403/1376kHz: 16.00-22.00; On **4940kHz:** 16.00 (Sun 09.00)-21.00; On **7210kHz:** 13.00-16.30 — **Third Prgr** (71.77 MHz): 16.00-20.00. **ANN** (Home & Foreign Sce): "Hovorit Kiyiv" — **V.** by QSL-card.

**R. KISHINEV — L.P:** Pres: I. Dobanda.
**In Moldavian, Russian:** 03.00-23.00 on 998kHz. **Own Prgr's:** 03.15-04.00, 04.30-06.00, 07.30-11.00, 12.44-14.00, 17.00-19.00. **Ann:** "Vorbeste Chisinau" (Moldavian), "Govorit Kishinev".

**R. LENINGRAD** (In Russian):
**1st Prgr:** 02.00-22.00 on 800/11700kHz+FM.
**2nd Prgr:** 02.57-12.00, 13.00-23.00 on 1124kHz+FM. **Own Prgr:** 03.30-04.00 (also on 800kHz), 05.10-06.00. **N:** 03.30.
**Special Prgr.** (for seamen in Baltic Sea & No. Atlantic) fortnightly: Fri/Sat 23.55-01.55 on 800kHz; Sat 08.00-09.00 in 25, 19, 16, 13 m.b.

**R. MINSK** (In Bielorussian): **HOME SCE: 1st Prgr:** On 281kHz: 02.00-23.00. **Own Prgr's:** 03.30-04.00, 04.15-06.00, 06.00-08.00, 08.30-09.00, 10.00-12.00 (W), 13.00-15.00, 15.30-18.00, 18.00-19.00 (W), 19.30-20.00. **N:** 03.35, 05.00, 06.00, 10.00*(W), 13.00, 17.30 **2nd Prgr:** On 400kHz: 02.00-12.00, 12.30-22.00 (rel. R. Moscow exc. 09.00-10.00, 20.00-21.00 when own prgr's). *=281kHz only. **Ann:** (Bielorussian) "Havoryts Minsk" — **V.** by QSL-card. Rp.

**R. OMSK on 395kHz:** 00.00-19.00 — **Own Prgr's: Russian:** 01.10-02.00, 04.10-05.00, 12.00-12.30 — **German:** Tues, Sat 04.20.

**R. RIGA — ADDR:** Latvijas Radioraidijumu un televizijas Komiteja, P.O. Box 266, Riga. **Cable:** "Latradio". **Home Sce. in Latvian, Russian:**
**1st Prgr: On 575/1349kHz+FM:** 03.00-22.00 (Sat/Sun 23.00), from 21.03 also on 1421kHz. **N. in Latvian:** 03.17, 05.00, 07.00 (W), 09.00 (W), 10.45 (W), 13.00 (W), 18.00, 20.50 — **Press review:** 05.35 — **Concert:** 05.15, 09.40 (W), 21.03 — **Folklore:** 03.30 — **Prgr. preview:** 14.05 (Sun 14.55) — **Russian:** Wed 03.40, Sat 11.00-11.30, Sun 14.00-14.30, Thurs 13.00-14.00, Tues 16.15.
**2nd Prgr:** On 1421/1484kHz: 03.00-21.03; On 1484kHz+FM: 21.03-22.00 (Sat/Sun 23.00): Rel. R. Moscow — **Own Prgr:** 03.00-13.00.
**Ann:** Latvian: "Runa Riga" — **PUB:** "Rigas Vilni" (weekly) — **V.** by QSL-card.

**R. TALLINN — ADDR:** Eesti Raadio ja Televisioon, Postkast 402, Tallinn. **Te:** 292311. **Cable:** "Estradio" — **L.P:** Pres: E. Jaanimägi. Vice Pres: U. Koit.
**1st Prgr:** 02.55 (Sun 03.25)-21.03.
**Estonian:** W 02.55-09.15, 10.00-16.00; Sun 03.25-08.00, 09.15-16.00; D 16.30-21.03 on 1034/6085kHz; W 02.55-05.45, 06.00 (Fri 07.00)-14.00, 15.00-21.03; Sun 03.25-08.30, 10.00-21.03 also on 1331/1214kHz. **N:** 03.05 (W), 03.35 (Sun), 04.30 (W), 05.00 (exc. Mon), 07.00 (W), 08.00 (W), 10.00 (W), 12.00, 13.00 (W), 15.00 (W), 16.30, 18.00, 20.00.
**2nd Prgr** on 710/1586kHz+FM: 13.30-18.00 Estonian light prgr. (05.00-13.30, 18.00-21.00 rel. to R. Moscow II).
**3rd Prgr** (FM only): 03.00-23.00 concerts and educational prgr's.
**Russian:** Own prgr's on 1214/1331/1511kHz+FM: W 05.45-06.00 (Fri 07.00), 14.00-15.00; Sun 08.30-10.00 — **N:** 14.00 (W). **V.** by QSL-card.

**R. TASHKENT — ADDR:** Uzbek Radio, ul. Khorezmskaya 49, Tashkent — **L.P:** Pres: **Y. U.** Ibragimov.
**In Uzbek, Tadjik, Russian, Uighur, Kazakh, Tatar:**
**1st Prgr:** 00.00-09.00, 10.00-18.00 (18.00-20.00 rel. Moscow) on 164/5925kHz — **N: Uzbek:** 00.03, 02.10, 07.50, 13.00, 17.00. **Kazakh:** 15.50. **Tadjik:** 03.50, 13.50. **Tatar:** Thurs, Sun 03.55 — **Prgr. in Uighur:** 14.30-15.00, 15.30-16.00 — **Folk music:** Karakalpak (Tues), Kazakh (Wed), Tatar (Mon, Thurs) all at 13.20-13.50 — **N.** (from R. Moscow): 01.00, 02.00, 03.00, 04.00, 05.00, 06.00, 09.00, 15.00, 18.00 (W) —
**2nd Prgr.** (in Uzbek, Tadjik, Russian) on 400kHz: 03.15-03.30, 13.00-16.00. **N:** 14.00 — Prgr. in Tadjik: 15.00-15.30.
**Ann: Uzbek:** "Tashkentdan gapiramis" — **Int-Sig:** see Foreign Sce — **V.** by QSL-card.

**R. TBILISI — L.P:** Pres: P. Yu Shamotava.
**In Georgian, Russian, Adshar, Osset:** On 191/5040kHz: 01.58-10.00, 14.00-21.03 — **Own Prgr's:** 02.00-03.00, 03.30-04.00, 04.20-10.00, 14.00-15.00, 16.00-20.00 — **Ann:** Georgian: "Laparа-

**R. TSELINOGRAD** (Kazakhstan).
**Home Sce. in Russian, Kazakh, German** on 227/782kHz: 00.00-20.00. Own prgr's: D 01.45-02.00 (N, Press review), 02.15-03.00, 12.00-14.00 (N, prgr) — **German:** Wed, Fri 04.10-04.40, Tues, Thurs, Sat 11.30-12.00 (R. Alma-Ata); D 12.00-12.30 (R. Moscow) — **Ann:** (G): "Hier ist Zelinograd. Hören Sie unsere Sendung für die deutsche Bevölkerung der Neulandregion!".

**R. VILNUS — ADDR:** Lietuvos TSR Radijas, Kanarskio g-ve 49, Vilnius — **1st Prgr. (Lithuanian):** On 665kHz: 03.55-21.00. **N:** 04.00 — **2nd Prgr. in Lithuanian, Polish, Russian:** On 1106/1554kHz: 03.55-21.00. **N:** 14.00, 19.30 — **Polish:** 18.30-19.00 — **Russian:** 15.25-16.00. **Ann:** Lithuanian: "Kalba Vilnius". Polish: Tu Vilnius" — **V.** by QSL-card.

**R. YEVERAN — ADDR:** Armenian Radio. Mravian st. 5, Yerevan 25. **Te:** 25272 — **L.P:** Dir. Gen: J. S. Kirakossian. Dir. Tec: A. Bikvan.
**1st Prgr. in Armenian, Azerbaidjan, Russian:** 02.00-22.00. On 362/4040kHz: 02.00-11.30 (Sat 12.20), 12.58-22.00; On 863/5740kHz: 02.00-09.15 (Sun 11.40); On FM only: 11.30-12.30; On 362/4040/FM only: 13.35-14.25.
**N. in Armenian:** 03.20, 08.10, 10.30, 13.00, 15.55, 18.30, 19.53 — **Azerbaidjan:** 14.25-14.30 (N); 04.40-05.00 (Fri) — **Russian:** 07.25-07.30 (N), 15.25-15.45 (Wed). — **Prgr. for Azerbaidjan & Gruzian workers:** Sun 11.00-11.40 — **Folklore:** 03.15, 10.00 (W) — **Local prgr. for Yerevan:** 13.30-14.00 on 362/4040kHz.
**2nd Prgr. in Armenian, Azerbaidjan, Kurdish, Russian:** 863/5740kHz: 10.30-14.20 — On 7270kHz: 10.30-19.00. On 7540kHz 16.30-18.55, 10.30-18.55 on FM — **Armenian:** 10.30-12.10, 16.30-18.55. **N:** 16.31 — **Azerbaidjan:** 13.30-13.50 — **Kurdish:** 12.10-13.10, 13.50-14.20. **N:** 12.10, 13.50.
**3rd Prgr. in Armenian:** (cultural): 11.00-12.50 on 4040kHz+FM. **Ann:** "Khosum e Yerevan" — **Int-Sig:** Ringing melody from an Armenian folklore song "Garaouna" — (Spring) by Komitas — **V.** by QSL-card.

**BROADCASTS FROM THE SOVIET COMMITTEE FOR CULTURAL RELATIONS with Fellowcountrymen abroad.**
**ADDR:** Sovietskiy komitet po kulturnym svazyam s sootechestvennikami za rubejom, Bolshoj Kharitoneyeskij pereulok 10, Moscow K-62. **Te:** K 4-60-16. **Branch in the German Democratic Republic:** Postai Addr: 108, Berlin 8 — **D.Prgr:** "Radiostantsiya Rodina".
**To Europe:** 05.00-06.00 on 1493kHz and in 31, 25, 19, 16 m.b, 13.00-14.00 in 31, 25, 19, 16, 13 m.b, 17.00-18.00 in 31, 25, 16 m.b, 19.00-20.00 on 1493kHz and in 25, 19, 16, 13 m.b. —
**To the Americas:** 22.30-23.30 on 620/1170kHz and in 31, 25, 19 m.b, 01.00-02.00 on 31, 25, 19 m.b. —
**In Russian** (from Leningrad, Rostov, Gorkij, Krasnodar, Barnaul, Stavropol, Voronesh, Irkutsk etc): 05.00-05.30, 13.00-14.00, 17.00-17.30, 19.00-20.00, 22.30-23.30, 01.00-01.30. **Prgr's** from the republics Ukrainia, Bielorussia, Gruzia, Armenia, Azerbajania, Latvia, Lithuania, Estonia in the national languages respectively: 05.30-06.00, 17.30-18.00, 01.30-02.00.
**V.** by letter. Re. to R. St. Rodina, Moscow R, Moscow.

## FOREIGN SERVICES

### RADIO MOSCOW

(m.b. in brackets used during March/April 1968)

| Albanian | m.b. |
|---|---|
| 15.00-15.30 | 41, 25, 19 (31, 25, 19, 16, 13) |
| 17.30-18.00 | 337, 321, 49, 41 (337, 321, 41, 31, 25, 19, 16) |
| 18.30-19.00 } 19.30-20.00 } | 337, 49, 41 (337, 31, 25, 19) |
| 20.30-21.00 | 337, 321, 49, 41 (337, 321, 31, 25, 19) |
| 21.30-22.00 | 337, 321, 49, 41 (337, 321, 31, 25) |
| **Bulgarian** | |
| 06.45-07.00 | 41, 31, 25 (31, 25, 19) |
| 17.00-17.30 | 337, 49, 41 (337, 31, 25, 19, 16) |
| **Danish** | |
| 17.00-17.30 | 217, 49, 41 (217, 31, 25) |
| 18.30-19.00 | 227, 217, 41, 31 (227, 217, 31, 25) |
| **Dutch** | |
| 17.30-18.00 | 49, 41, 31 (31, 25) |
| 19.30-20.00 | 217, 49, 41 (217, 41, 31, 25) |
| **Czech** | |
| 17.30-18.00 | 257, 49, 41 (257, 49, 41, 25, 19) |
| **Finnish** | |
| 16.30-17.30 | 201, 49 (201, 31) |
| 18.30-19.00 | 201, 49, 41 (201, 41, 31) |
| **French** | |
| 17.30-18.00 } 18.00-19.00 } | 49, 41, 31 (49, 31, 25, 19, 16) |
| 19.00-19.30 | 217, 49, 41, 31 (217, 25, 19, 16) |
| 20.30-21.00 | 217, 49, 41 (217, 41, 31, 25) |

| French | m.b. |
|---|---|
| 21.00-21.30 | 227, 217, 49, 41 (227, 217, 41, 31, 25) |
| **German** | |
| 06.00-06.30 | 227, 49, 41, 31 (227, 41, 31, 25) |
| 10.00-11.00 | 1141, 227, 25, 16 |
| 16.00-17.00 | 227, 217, 49, 41, 31 (227, 217, 25, 19, 16) |
| 17.30-18.00 | 227, 217, 49, 41 (227, 217, 25, 19, 16) |
| 20.00-21.00 | 227, 49, 41 (227, 31, 25) |
| 21.30-22.00 | 227, 217, 49, 41 (227, 217, 31, 25) |
| **German (for Austria)** | |
| 17.00-17.30 | 227, 49, 41, 31 (227, 25, 19, 16) |
| 19.30-20.00 | 227, 49, 41, 31 (227, 41, 25, 19) |
| **Greek (* to Cyprus)** | |
| 15.30-16.00 | 49, 41, 25 (31, 25, 16) |
| 16.30-17.00 | 337, 49, 41 (337, 31, 25, 19, 16) |
| 18.00-18.30* | 347, 41, 31 (347, 25, 19) |
| 19.00-19.30 | 337, 49, 41 (337, 31, 25, 19) |
| 20.00-20.30 | 337, 321, 49, 41 (337, 321, 31, 25, 19) |
| 21.00-21.30 | 337, 309, 49, 41 (337, 309, 31, 25) |
| 22.00-22.30 | 337, 321, 301, 49, 41 (337, 321, 301, 31) |

**Hungarian** m.b.
17.00-17.30 194, 49, 41, 31 (194, 41, 25, 19)
20.30-21.00 194, 49, 41 (194, 41, 31, 25, 19)

**Italian**
13.30-14.00 25, 19, 16 (25, 19, 16, 13)
17.30-18.30 194, 49, 41, 31 (194, 25, 19)
19.30-20.30 194, 49, 41, 31 (194, 31, 25)
21.00-21.30 194, 49, 41 (194, 31, 25, 19)

**Macedonian**
18.30-19.00 257, 194, 49, 41, 31 (257, 194, 41, 31, 25, 19)

**Norwegian**
17.30-18.00 } 201, 49, 41
19.30-20.00 } (201, 41, 31)
20.00-20.30 227

**Polish**
17.00-17.30 } 257, 49, 41
19.00-19.30 } (257, 25, 19, 16)
21.00-21.30 321, 257, 49, 41 (321, 257, 31, 25)

**Portuguese**
18.30-19.00 49, 41, 31 (25, 19, 16)
19.30-20.00 49, 41, 31 (25, 19)

**Rumanian**
16.00-16.30 337, 194, 49, 41 (337, 194, 31, 25, 19, 16)
17.00-17.30 321, 49, 41 (321, 49, 41, 31)
18.00-20.00 337, 321, 49, 41 (337, 321, 41, 31, 25, 19)

**Serbo-Croat**
16.00-16.30 257, 41, 31, 25 (41, 31, 25, 19)
16.30-17.00 257, 194, 49, 41, 31 (194, 49, 41, 31, 25, 19)
18.00-18.30 257, 49, 41 (257, 41, 31, 19)
19.00-19.30 194, 49, 41, 31 (194, 41, 31, 25, 19)
20.30-21.00 257, 49, 41 (257, 41, 31, 25)

**Slovak**
20.00-20.30 257, 49, 41 (257, 41, 25, 19)

**Slovenian**
19.30-20.00 257, 49, 41 (257, 41, 31, 19)

**Spanish**
12.30-12.45 25, 19, 16
18.00-18.30 49, 41, 31 (25, 19, 16)
20.00-21.00* 49, 41 (25, 19)
21.30-22.30 257, 49, 41, 31 (257, 41, 31, 25, 19)

* incl. Catalan Tues/Thurs/Sat at 20.30-21.00

**Swedish**
18.00-18.30 } 201, 49, 41
19.00-19.30 } (201, 41, 31)

**TO NEAR & MIDDLE EAST**

**Arabic** m.b.
04.00-04.30 41, 31 (31, 25, 19)
12.30-13.00 25, 19, 16, 13
14.00-14.30 31, 25, 19 (25, 19, 16, 13)
16.00-16.30 309, 41, 31, 19, 16 (309, 25, 19, 16)
17.30-18.00 } 309, 259, 41, 31
18.00-18.30 } (309, 259, 31, 25,
19.00-19.30 } 19)
20.30-21.00* 309, 41, 31 (309, 25, 19)

* to Mahgreb countries.

**Dari** m.b.
13.00-13.30 375, 31, 25, 19, 16 (375, 25, 19, 16)
15.00-15.30 375, 31, 25 (375, 25, 19, 13)

**Persian**
09.30-10.00 } 25, 19, 16
11.30-12.00 }
15.00-15.30 } 347, 41, 31
16.30-17.30 } (347, 25, 19)
18.30-19.00 347, 259, 49, 31 (347, 259, 31, 25)

**Pushtu**
13.30-14.00 375, 31, 25, 19 (375, 25, 19)
16.30-17.00 375, 31, 25 (375, 19, 16)

**Turkish** (* to Cyprus)
10.30-11.00 25, 19, 16
13.30-14.00 31, 25, 19 (25, 19, 16)
14.30-15.00 41, 31, 25, 19 (25, 19, 16)
15.30-16.00* 309, 31, 25 (25, 19)
16.30-17.30 } 309, 41, 31
18.30-19.00 } (309, 25, 19)

**TO AFRICA**

**Arabic** (to Algeria)
18.30-19.00 41, 31 (25, 19)
21.00-21.30 49, 41, 31 (25, 19, 16)

**Amharic**
15.30-16.00 19, 16
16.30-17.00 228, 31, 25, 19 (228, 19, 16)
20.00-20.30 228, 41, 31 (228, 25, 19, 16)

**Bambara**
19.30-20.00 41, 31 (25, 19, 16)

**French** (* to Algeria)
05.00-05.15 41, 31, 19 (25, 19, 16)
06.15-06.30 41, 31, 25, 19 (25, 19, 16)
16.00-16.30 25, 19 (16, 13)
17.00-17.30 41, 31, 25, 19 (31, 25, 19, 16, 13)
18.00-18.30 41, 31, 25 (25, 19, 16, 13)
19.00-19.30 49, 41, 31 (49, 25, 19, 16)
20.00-20.30* 41, 31 (31, 25, 19)
20.30-21.00 41, 31 (25, 19, 16)
21.00-21.30* 49, 41, 31 (25, 19, 16)
22.00-22.30 49, 41, 31 (31, 25, 19, 16)

**Hausa**
06.00-06.15 } 31, 25, 19
06.45-07.00 } (25, 19, 16)
17.30-18.00 41, 31, 25 (31, 25, 19, 16, 13)
18.30-19.00 41, 31, 25 (19, 16, 13)
20.00-20.30 41, 31 (25, 19, 16)

**Lingala**
18.00-18.30 31, 25, 19 (19, 16)

**Malagasy**
15.00-15.30 19, 16

**Portuguese**
05.30-06.00 41, 31, 25, 19 (25, 19, 16)
16.30-17.00 31, 25, 19 (25, 19, 16, 13)
19.00-19.30 } 41, 31
20.00-20.30 } (25, 19, 16)

**Somali**
14.00-14.30 19, 16
16.00-16.30 25, 19 (19, 16)

**Swahili** m.b.
04.30-04.45 } 41, 31, 19
05.15-05.30 } (19, 16)
10.00-10.30* 19, 16
17.00-17.30 228, 41, 25, 19 (228, 19, 16)
17.30-18.00 228, 41, 31, 25 (228, 25, 19, 16)
18.00-19.00 } 228, 41, 31
19.00-20.00 } (228, 25, 19, 16)

*) Russian lessons

**Zulu**
17.30-18.00 31, 25, 19 (19, 16)

**TO SO. & SO. EA. ASIA**

**Bengali**
11.00-11.30* 25, 19, 16, 13
12.00-12.30**19, 16
13.00-13.30**25, 19, 16 (25, 19, 16, 13)
14.00-14.30* 25, 19
15.00-15.30**(19, 16, 13)

*) to India; **) to Pakistan.

**Burmese**
09.30-10.00 } 25, 19, 16, 13
10.30-11.00 }
12.00-12.30 19, 16, 13

**Cambodian**
11.00-11.30 19, 16, 13
13.00-13.30 25, 19, 16, 13 (19, 16, 13)

**Hindi**
11.30-12.00 } 259, 25, 19, 13
12.30-13.00 }
14.00-14.30 } 259, 31, 25, 19 (259, 31, 25, 19,
15.30-16.30 } 13)

**Indonesian**
07.30-08.00 16, 13
09.30-10.00 19, 16, 13
11.30-12.00 25, 19, 16, 13
12.30-13.00 19, 16, 13
13.30-14.30 } 25, 19, 16, 13
15.00-15.30 } (19, 16, 13)

**Laotian**
12.30-13.00 25, 19, 16
14.00-14.30 25, 19, 16, 13

**Malayalam**
11.30-12.00 25, 19, 16, 13 (19, 16, 13)
13.30-14.00 25, 19, 16 (19, 16, 13)

**Marathi**
11.00-11.30 19, 16, 13
13.00-13.30 25, 19, 16 (19, 16, 13)

**Nepali**
14.30-15.00 25, 19, 13 (19, 16, 13)

**Punjabi**
12.00-12.30 25, 19, 16, 13 (19, 16, 13)
13.30-14.00 259, 31, 25, 19, 16

**Sinhalese** (to Ceylon)
15.00-15.30 } 31, 25, 19, 16
15.30-16.00 } (19, 16, 13)

**Tamil**
12.30-13.00 25, 19,16 (19, 16, 13)
14.00-14.30 31, 25, 19, 16 (19, 16, 13)

**Telugu**
12.00-12.30 19, 16 (19, 16,13)
14.30-15.00 31, 25, 19, 16 (19, 16,13)

**Thai**
11.30-12.00 19, 16, 13
13.30-14.00 25, 19, 16, 13

**Urdu**
12.00-12.30* 259, 19, 16, 13
13.00-13.30**259, 19, 13 (259, 19, 16, 13)
14.30-15.00* 259, 31, 25, 16 (259, 31, 25, 19, 16, 13)
16.30-17.30**259, 31, 25 (259, 16, 13)

*) to India; **) to Pakistan.

**Vietnamese** m.b.
22.30-23.00 31, 25 (25, 19, 16)
10.30-11.00 25, 19, 16
11.00-11.30 25, 19, 16, 13
12.00-12.30 25, 19, 16
13.00-13.30 } 19, 16, 13
14.30-15.00 }
15.00-15.30 41, 31, 19 (25, 19)
15.30-16.30 41, 31, 19 (25, 19, 16)
16.30-17.00 41, 31, 19 (25, 19)

**TO FAR EAST**

**Cantonese** m.b.
10.00-10.30 } 31, 25, 19, 16
11.30-12.00 } (19, 16, 13)

**Shanghai Dialect**
10.30-11.00 31, 25, 19, 16 (19, 16, 13)
12.00-12.30 31, 19, 16 (19, 16, 13)

**Standard Chinese**
22.30-23.00 278, 203, 41, 31 (278, 203, 31, 25)
23.30-24.00 240, 31, 25 (240, 31, 25, 19, 16)
00.00-00.30 41, 31, 16 (25, 19, 16)
01.00-01.30 } 31, 25, 19, 16
02.00-02.30 } (25, 19, 16)
03.00-04.00 25, 19, 16
04.30-05.00 } 19, 16
05.30-06.00 }
06.30-08.00 25, 19, 16, 13
08.30-09.30 547, 240, 25, 19, 16, 13
09.30-10.30 240, 31, 25, 19, 16
10.30-11.00 547, 240, 49, 31 (547, 240, 31, 25, 19)
11.30-12.00 240, 49, 25, 19, 16 (240, 25, 19, 16)
12.00-12.30 547, 278, 240, 49 (547, 278, 240, 31, 25, 19)
12.30-13.00 547, 278, 240, 49, 41, 31, 25, 19, 16 (547, 278, 240, 31, 25, 19, 16, 13)
13.30-14.00 240, 41, 31, 25 (240, 41, 19, 16)
14.00-14.30 547, 278,240,49, 41, 31, 25 (547, 278, 240, 41, 31, 25, 19, 16)
15.00-15.30 547, 278, 240, 49, 41, 31 (547, 278, 240, 41, 31, 25, 19, 16)
15.30-16.00 547, 278, 240, 203, 49, 41, 31 (547, 278, 240, 203, 41, 31, 25, 19)
16.00-17.30 } 547, 278, 203, 49, 41, 31
} (547, 278, 203,
18.00-19.00 } 41, 31, 25)
19.00-19.30 278, 203, 49, 41, 31 (278, 203, 31, 25)
20.00-21.00 278, 203, 49, 31 (278, 203, 31, 25)
21.30-22.00 547, 240, 203, 49, 41, 31 (547, 240, 203, 31, 25, 19)

**Japanese**
08.00-10.30 477, 203, 49,41, 31 (477, 203, 31, 25, 19)
10.30-11.00 477, 203, 41, 25 (477, 203, 31, 25, 19)
12.00-12.30 477, 203, 41, 31, 25 (477, 203, 31, 25, 19)

| Japanese | m.b. |
|---|---|
| 13.00-13.30 | 477, 203, 49, 41, 31 (477, 203, 49, 31, 25, 19) |
| 14.00-14.30 | 477, 203, 49, 41, 31 (477, 203, 31, 25, 19, 16) |
| **Korean** | |
| 21.00-21.30 | 547, 240, 49, 31 (547, 240, 25, 19) |
| 22.00-22.30 | 547, 240, 31, 25 (547, 240, 25, 19) |
| 09.30-10.00 | 547, 49, 25, 19, 16 (547, 31, 25, 19, 16, 13) |
| 10.00-10.30 | 547, 49, 25, 19, 16 (547, 31, 25, 19, 16) |
| 11.00-11.30 | 547, 203, 49, 31 (547, 203, 31, 25, 19) |
| 11.30-12.00 } 13.30-14.00 } | 547, 49, 41, 31 (547, 31, 25, 19) |
| **Mongolian** | |
| 03.20-03.40 | 25, 19 (16, 13) |
| 05.20-05.50 | 19, 16 |
| 09.30-10.00 | 278, 25, 19, 16 |
| 11.30-12.00 | 278, 41, 31, 25 (278, 25, 19, 16) |
| 13.15-14.00 | 278, 49, 41 (278, 25, 19) |

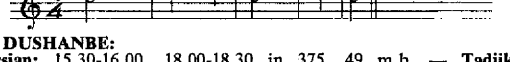
**TO LATIN AMERICA**

| Quechua | m.b. |
|---|---|
| 21.30-22.00 | 41, 31 (25, 19) |
| 00.30-01.00 | 19, 16 |
| **Portuguese** | |
| 22.00-23.00 } 00.00-00.30 } 02.00-02.30 } | 41, 31, 25 (31, 25, 19) |
| **Spanish (to Cuba)** | |
| 23.30-24.00 | 31, 25 |
| 00.00-02.00 | 41, 31, 25 (31, 25) |
| **Spanish (to So. America)** | |
| **1st Prgr:** | |
| 23.00-24.00 | 41, 31, 25 (31, 25, 19) |
| 01.00-01.30 } 02.30-03.30 } | 41, 31, 25 (31, 25, 19) |
| 03.30-04.00 | 41, 31, 25 (31, 25) |
| **2nd Prgr:** | |
| 01.00-03.00 | 19, 16 |
| **Spanish to Ce. America** | |
| 02.00-04.00 | 41, 31, 25 (31, 25) |

**PROGRAMMES IN ENGLISH**

| To Europe | m.b. |
|---|---|
| 07.00-07.30 | 41, 31, 25 (31, 25, 19) |
| 12.00-12.30 | 25, 19, 16 |
| 19.00-19.30 | 227, 49, 41 (227, 41, 31, 25) |
| 20.00-20.30 | 217, 49, 41 (217, 41, 31, 25) |
| 21.00-22.00 | 201, 49, 41 (201, 49, 31, 25) |
| 22.00-22.30 | 227, 217, 201, 49, 41 (227, 217, 201, 41, 31, 25) |
| **To Pacific/Far East** | |
| 11.00-11.30 | 477, 49, 41 (477, 31, 25) |
| 11.30-12.00 | 477, 203, 41 (477, 203, 31) |
| 12.30-13.00 | 477, 203, 49, 41 (477, 203, 31, 25, 19) |
| 13.30-14.00 | 477, 203, 49, 41 (477, 31, 25) |
| **To So. East Asia** | |
| 10.00-10.30 | 25, 19, 16, 13 |
| 11.00-11.30 | 25, 19, 16, 13 |
| 15.00-15.30 | 259, 31, 25, 16 |
| 16.00-16.30 | 31, 25, 19 (19, 16, 13) |
| **To Africa** | |
| 04.45-05.00 | 41, 31, 19 (25, 19, 16) |
| 06.30-06.45 | 41, 31, 25, 19 (25, 19, 16) |
| 10.00-10.30 | 16, 13 |
| 15.30-16.00 | 41, 31, 25, 19 (25, 19, 16, 13) |
| 18.30-19.00 | 31, 25, 19 19, 16 |
| 19.30-20.00 | 41, 31 (25, 19, 16) |
| 20.30-21.00 } 21.00-21.30 } | 228, 41, 31 (228, 25, 19, 16) |
| 22.30-23.00 | 41, 31 (25, 19) |
| **To No. America** | |
| **1st Prgr:** | |
| 22.00-22.30 | 31, 25 |
| 23.00-23.30 } 00.00-00.30 } 01.00-01.30 } 02.00-03.30 } 04.00-06.00 | 41, 31, 25 (31, 25) |
| **2nd Prgr:** | |
| 03.30-04.00 | 25, 19, 16 (19, 16) |
| 04.00-04.30 | 31, 25, 19 (25, 19, 16) |
| 04.30-07.30 | 31, 25 (25, 19, 16) |

**R. BAKU** (on 4958, 6110, 9490kHz):
**Azerbaijan:** 04.00-04.30 in 61, 31 m.b, 13.30-14.00 in 49, 31 m.b. — **Arabic:** 15.30-16.00, 16.30-17.00 in 49, 31 m.b. — **Persian:** 04.30-04.45 in 61, 31 m.b, 13.00-13.30 and 14.00-15.00 in 49, 31 m.b. — **Turkish:** 15.00-15.30, 16.00-16.30, 19.00-1950 in 49, 31 m.b.
**ANN:** Azerbaijan: "Danishir Baku". Arabic: "Huna Baku". Persian: "Inja Baku". Turkish: "Burasi Baku" — **INT-SIG:**



**R. DUSHANBE:**
**Persian:** 15.30-16.00, 18.00-18.30 in 375, 49 m.b. — **Tadjik:** 14.00-15.00 on 375m, 16.00-16.30, 17.00-17.30 in 375, 49 m.b.

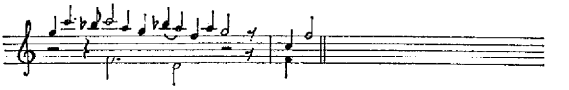
**R. KIEV**
**Ukrainian:** To Europe in 201, 49, 41, 31 (201, 31, 25) m.b; 18.00-18.30 in 49, 41 (31, 25) m.b; 19.00-19.30 in 49 (31, 25) m.b; 20.30-21.00 in 49, 41 (41, 31) m.b; To the Americas: 22.30-23.00, 23.30-24.00, 00.30-01.00, 03.30-04.00 and 04.30-05.00 in 41, 31, 25 (31, 25) m.b.
**English:** To Europe (Mon/Wed/Sat): 19.00-19.30 in 31, 25 m.b, 22.30-23.00 on 1241kHz. To No. America (Tues/Thurs/Sun): 00.30-01.00 in 31, 25, 19 m.b; 04.30-05.00 in 31, 25 m.b.
**German:** Tues/Fri 19.15-19.30 in 31, 25 m.b, 22.45-23.00 on 1241kHz — **Ann:** "Havoryt Kiev". E: "This is R. Kiev". G: "Hier ist R. Riev" — **V.** by letter and QSL-card.

**R. MINSK: Bielorussian:** 18.30-19.00 in 41, 31 m.b, 21.30-22.00 in 49, 41 m.b. **Ann:** "Havoryts Minsk".

**R. RIGA: Latvian:** 08.30-09.15 (Sun) and 19.30-20.00 (Wed) on 575/1349/1421kHz; 21.15-22.00 (Mon) and 21.30-22.00 (Thurs) on 575/1349/1421kHz. **Swedish:** 08.00-08.30 (Sun) on 575kHz; 20.20-20.50 (Tues/Thurs/Sat) on 575kHz, 21.30-22.00 (Wed/Fri/Sun) on 575/1349/1421kHz.

**R. TALLIN: Estonian:** 21.05-22.00 (Tues, Thurs, Sat) on 1034/6085kHz — **Finnish:** 08.00-09.15 (Sun) on 1034/6085kHz, 09.15-10.00 (W) and 12.10-13.00 (W) on 1034kHz, 16.00-16.30 on 1034/6085kHz — **Swedish:** 21.05-22.00 (Mon, Wed, Fri/Sun) on 1034/6085kHz. **Concert:** 12.10-13.00 on 1034kHz — **Ann:** Finnish: "Täälta Tallinna". Swedish: "Här är Tallinn" — **V.** by QSL-card and letter.

**R. TASHKENT in 31, 25 m.b.** (9600, 11925kHz):
**English:** 12.00-12.30 and 14.00-14.30 — **Hindi:** 13.00-13.30 and 15.00-15.30 — **Persian:** 16.00-16.30, 17.30-18.00 — **Urdu:** 12.30-13.00 and 13.30-14.00 — **Uzbek:** 16.30-17.00.
**ANN:** "This is Tashkent Calling" — **INT-SIG:** played on Chang (Uzbek nat. instrument). Violin and Cello.



**V.** by QSL-card — **Pub:** Prgr. schedule free.

**R. VILNIUS: Lithuanian:** To Europe: 21.00-23.30 (exc. Fri and Sun) on 665/1106/1554kHz; To the Americas: 22.30-23.30 in 41, 31, 25 (31, 25, 19) m.b.
**English:** Fri and Sun 21.00-21.30 on 665/1106/1554kHz, 22.30-23.00 on 665/1106/1554/6200/7180/9740/11710kHz.

**R. YEREVAN**
**Armenian** (to Near and M. East): 06.00-07.25 (Sun) on 863/4040/7270kHz; 15.30-16.30, 19.30-21.05 on 863/7270kHz; To Europe: 08.00-09.00 (Sun) (08.50-09.00: French) in 41, 31, 25, 19 m.b. (7265/9745/9785/15310kHz); 15.30-16.00 (1st and 3rd Thurs of each month) in 25 and 31 m.b. To No. America: 20.30-21.30 (Sat/Sun) in 41, 31 m.b. (7200/9540/9640/9740kHz); 02.30-03.00 (1st and 3rd Thurs of each month) in 41, 25 m.b. 03.00-03.30 (exc. Mon/Tues/Fri) in 19, 16 m.b.
**Arabic** (to Near and M. East): 14.20-15.00 and 19.00-19.30 on 863/4040/7270kHz.

## VATICAN STATE

**L.T:** GMT+1 h.

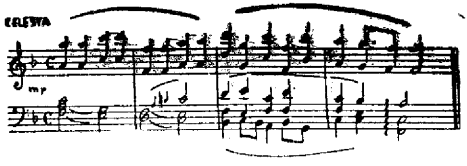
**VATICAN RADIO (Rel.)**
**ADDR:** Vatican Radio, Vatican City. **Cable:** Vatican Radio. **Te:** 6982. **L.P:** Dir. Gen: Rev. G. Martegani S.J. Dir. Prgr: Rev. J. Blajiot S.J. Dir. N. Sec: Rev: F. Farusi S.J. Dir. Tec: Rev. Prof. A. Stefanizzi S.J. Secr: Dott. G. Resmini.
**STATIONS: Medium Waves:**
782kHz 383.6m 2kW — 1529kHz 196.2m 250kW.
**FM:** 93.3/96.3MHz 0.5kW.
**Short Waves:** 25/50/100kW. **G.C:** 12.19E/42.03N & 12.27E/41.54N.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 6190 | 48.47 | 9645 | 31.10 | 15120 | 19.84 | 17885 | 16.78 |
| 7160 | 41.90 | 9690 | 30.96 | 15135 | 19.82 | 21485 | 13.96 |
| 7250 | 41.38 | 11705 | 25.63 | 15285 | 19.63 | 21515 | 13.94 |
| 9605 | 31.23 | 11740 | 25.55 | 17820 | 16.84 | 21530 | 13.93 |
| 9630 | 31.15 | 11760 | 25.51 | 17840 | 16.82 | | |

**PROGRAM SCHEDULE** (November 67-February 68)
The Wavelengths are subject to change with seasonal variation, or to avoid interference.

| TO EUROPE | | kHz |
|---|---|---|
| **Albanian:** | 20.30 Tues, Thurs, Sat | 6190, 7250, 1529 |
| **Armenian:** | 15.50 Sun, Wed | 11740, 15120, 1529 |
| **Bulgarian:** | 17.15 Sun, Mon, Wed, Fri | 6190, 7250, 9645, 1529 |
| | 11.10 Sun | 9645, 11740, 15120, 1529 |
| **Czech:** | 12.30 D | 9645, 11740, 15120 |
| | 19.30 D | 6190, 7250, 9645, 1529 |
| **English:** | 15.00 D | 9645, 11740, 15120, 1529 |
| | 18.15 D | 7250, 9645, 11740, 1529 |
| **French:** | 11.45 D | 9645, 11740, 15120, 1529 |
| | 14.30 D | 9645, 11740, 15120, 1529 |
| | 19.15 D | 6190, 7250, 9645, 1529 |
| **German:** | 12.45 D | 9645, 11740, 15120, 1529 |
| | 14.45 D | 9645, 11740, 15120, 1529 |
| | 19.45 D | 6190, 7250, 9645, 1529 |
| **Hungarian:** | 13.00 D | 9645, 11740, 15120, 1529 |
| | 21.00 D | 6190, 7250, 9645, 1529 |

| | | kHz |
|---|---|---|
| **Italian:** | 13.30 D | 6190, 7250, 9645, 11740, 1529 |
| | 18.33 D | 6190, 7250, 9645, 1529 |
| | 16.00 Fri | 6190, 7250, 9645, 1529 |
| | 21.30 W, 21.45 Sun | 1529 |
| **Latin:** | 11.30 Tues, Thurs, Sat | 9645, 11740, 15120, 1529 |
| | 16.30 Tues, Thurs, Sat | 7250, 9645, 11740, 1529 |
| | 21.15 Tues, Thurs, Sat | **6190, 7250, 9645,** 1529 |
| | 20.00 D (H. Rosary) | 6190, 7250, 9645, 11740, 1529 |
| **Latvian:** | 07.00 Sun | 9645, 11740 |
| | 18.00 Tues, Thurs, Sat | 6190, 7160, 9630 |
| **Lithuanian:** | 06.30 Sun | 9645, 11740 |
| | 18.15 D | 6190, 7160, 9630 |
| **Polish:** | 12.15 D | 9645, 11740, 15120, 1529 |
| | 15.15 D | 9645, 11740, 15120, 1529 |
| | 19.00 D | 6190, 7250, 9645, 1529 |
| **Portuguese:** | 15.30 D | 9645, 11740, 15120, 1529 |
| | 20.30 D | 9605, 11705 |
| **Rumanian:** | 17.30 D | 6190, 7250, 9645, 1529 |
| **Russian:** | 14.00 D | 9645, 11740, 15120, 1529 |
| | **18.00 D** | 7250, 9645, 11740, 1529 |
| **Serbo-Croat:** | 17.45 D | 6190, 7250, 1529 |
| **Slovak:** | 12.00 D | 9645, 11740, 15120, 1529 |
| | **20.15 D** | 6190, 7250, 9645, 1529 |
| **Slovene:** | 17.15 Tues, Thurs, Sat | 6190, 7250, 9645, 1529 |
| | 20.30 Mon, Fri | 6190, 7250, 1529 |
| | 10.50 Sun | 9645, 11740, 1529 |
| **Spanish:** | 14.15 D | 9645, 11740, 15120, 1529 |
| | 20.45 D | **6190, 7250, 9645,** 1529 |
| **Swedish, Danish, Norwegian:** | | |
| | 20.30 Sun, Wed | 6190, 7250, 1529 |
| **Ukrainian:** | 17.00 D | 7250, 9645, 11740, 1529 |
| **White Ruth:** | 06.15 Sun | 9645, 11740 |
| | 18.00 Sun, Mon, Wed, Fri | 6190, 7160, 9630 |
| **Concert:** | 21.15 Sun | 6190, 7250, 9645, 1529 |
| | 16.00 Thurs | 6190, 7250, 9645, 1529 |
| **Liturgy:** | | |
| Latin: | 08.30 Sun, Holidays | 7250, 9645, 11740, 15120 |
| Oriental: | 09.30 Sun, Holidays | 7250, 9645, 11740 15120, 1529 |
| | 16.15 Sun | 7250, 9645, 11740, 1529 |
| **TO AFRICA** | | **kHz** |
| **Arabic:** | 16.50 D | 11705, 15135 |
| | 19.00 D | 11760, 15135 |
| **English:** | 10.00 W | 17840, 21485 |
| | 10.50 W | 17840, 21485 |
| | 11.55 W | 17840, 21485 |
| | 16.30 D | 11705, 15135 |
| | 17.10 D | 11705, 15135 |
| | 19.30 D | 11760, 15135 |
| **Ethiopian:** | 16.00 W | 11705, 15135 |
| **French:** | 10.15 W | 17840, 21485 |
| | 11.05 W | 17840, 21485 |
| | 12.10 W | 17840, 21485 |
| | 16.15 D | 11705, 15135 |
| | 17.25 D | 11705, 15135 |
| | 19.15 D | 11760, 15135 |
| **Portuguese:** | 10.35 W | 17840, 21485 |
| | 18.40 D | 11760, 15135 |
| **TO AMERICA** | | **kHz** |
| **Portuguese:** | 23.00 D | 9690, 11760, 15285 |
| **Spanish:** | 23.30 D | 9690, 11760, 15285 |
| | 00.00 D | 9690, 11760 |
| | 00.30 D | 9690, 11760 |
| **English:** | 00.50 D (for U.S.A.) | 9690, 11760 |
| **French:** | 01.10 D | 9690, 11760 |
| **TO ASIA** * for India — ** for Philippines. | | |
| **Arabic:** | 16.50 D | 11705, 15135 |
| **Chinese:** | 22.30 Tues, Thurs, Sat | 9645, 11705 |
| **English:** | *14.45 W | 17885, 21530 |
| | **22.30 Mon, Wed, Fri | 9645, 11705 |
| **Hindi, Tamil, Malayalam:** | | |
| | 14.35 W | 17885, 21530 |
| **Japanese:** | 21.45 W | **9645, 11705** |
| **TO AUSTRALIA/NEW ZEALAND** | | |
| **English:** | 11.30 D | 17820, 21515 |
| | 22.00 D | 9645, 11705 |



**OPENING SIG:** The Bells of St. Peter's.
**ANN:** "Laudetur Jesus Christus. Praised be Jesus Christ. This is Vatican Radio".
**INT-SIG:** Carillon Melody "Christus Vincit" executed on the celeste with orchestral accompaniment.
**V.** by QSL-card or letter. Recordings accepted. **PUB:** Prgr. sched. free on request.

## YUGOSLAVIA

**L.T:** GMT+1 h — **Pr.L:** Serbo-Croat, Slovenian, Macedonian.

**JUGOSLOVENSKA RADIOTELEVIZIJA (Gov.)**
**ADDR:** 70 Borisa Kidrica, Belgrade. **Te:** 43-677. **Cable:** Jugoslovenska radiotelevizija Beograd. **Telex:** 11469 jurate beograd.
**L.P: Radiotelevision Yugoslave:** Pres. Adm. Committee: I. Bojanic. Secr. Gen: Dr. I. Pustisek. Chief Foreign Relations: Mrs. O. Vojvodic. Commission Political Broadc: Pres. S. Milic. Secr: Dr. I. Pustisek. Commission Cultural Broadc: Pres: B. Bozovic. Secr: Mrs. O. Vojvodic. Commission Musical Prgr's: Pres: S. Baric. Secr: Mrs. L. Frajt. Tech. Commission: Pres: Eng. R. Zizic. Jur. Commission: Pres: L. Dimitrovski. Secr: P. Tipsarevic. Prgr. Committee TV: Pres: D. Ilic. Secr: M. Milosavljevic. Commission For. Rel: Pres: S. Sabatka. Secr: Mrs. O. Vojvodic. Commission Economic and Fin. Sce: **Pres:** S. Stefanovic. Secr: Mrs. Lj. Stosic. Board of Radio Prgr: Pres: B. Zlobicki. Secr: I. Pustisek. **Radiotelevision Belgrade:** Dir. Gen: Z. Vukovic. Dir. Tec: Eng. R. Zizic. **Radiotelevision Zagreb:** Dir. Gen: I. Bojanic. Dir. Tec: V. Trs. **Radiotelevision Ljubljana:** Dir. Gen: B. Mikos. Dir. Tec: Eng. S. Pernus. **Radiotelevision Skopje:** Dir. Gen: M. Matevski. Dir. Tec: T. Dzartov. **R. Sarajevo:** Dir. Gen: V. Savic. Dir. Tec: Eng. F. Lastavec. **R. Titograd:** Dir. Gen: M. Perovic. Dir. Tec. Eng. L. Kosovic. **R. Novi Sad:** Dir: S. Sabatka. Dir. Tec: Eng. I. Djukic. **R. Pristina:** Dir: R. Suroji. Dir. Tec: Eng. I. Lozovoj.
**MEDIUM WAVES:** Main st's in fat types.

| **SERBIA** | **kHz** | **m** | **kW** |
|---|---|---|---|
| Belgrade I | 683 | 439.0 | 400 |
| Nis | 926 | 324.0 | 20 |
| Novi Sad I | **1268** | **236.6** | **100** |
| Loznica | 1403 | 213.8 | 1 |
| Pristina | 1412 | 212.4 | 100 |
| Belgrade II | 1484 | 202.2 | 25 |
| Svetozarevo | 1484 | 202.2 | 2 |
| Novi Sad II | 1484 | 202.2 | 2 |
| Cacak | 1484 | 202.2 | 0.1 |
| Kisac | 1565 | 191.7 | 0.02 |
| **CROATIA** | | | |
| Zagreb II | 773 | 388.1 | 0.05 |
| B. Manastir | 773 | 388.1 | 0.07 |
| Split II | 782 | 383.6 | 2 |
| Rijeka II | 782 | 383.6 | 2 |
| Sisak | 782 | 383.6 | 0.05 |
| Slavonski Brod | 881 | 340.5 | 0.05 |
| Vukovar | 899 | 333.7 | 1 |
| **Zagreb** | 1133 | 264.7 | 135 |
| Rijeka I | 1133 | 264.7 | 20 |
| Split I | 1133 | 264.7 | 50 |
| Zadar | 1133 | 264.7 | 2 |
| Osijek | 1133 | 264.7 | 2 |
| Dubrovnik | 1133 | 264.7 | 2 |
| Bjelovar | 1214 | 247.1 | 0.05 |
| Nasice | 1313 | 228.5 | 0.05 |
| Djurdjevac | 1358 | 220.9 | 0.05 |
| Molve | 1363 | 220.1 | 0.05 |
| Hlebine | 1394 | 215.2 | 0.05 |
| Gospic | **1412** | **212.4** | **20** |
| Osijek | 1412 | 212.4 | 2 |
| Novigrad Podr. | 1421 | 211.2 | 0.025 |
| Dakovo | 1484 | 202.2 | 0.05 |
| Knin | 1484 | 202.2 | 0.05 |
| Porec | 1484 | 202.2 | 0.05 |
| Pula | 1484 | 202.2 | 2 |
| Varazdin | 1484 | 202.2 | 0.05 |
| Krizevci | 1484 | 202.2 | 0.05 |
| Virje & Virovitica | 1484 | 202.2 | 0.05 |
| Dubrovnik | 1493 | 200.9 | 2 |
| Zagreb II | 1493 | 200.9 | 7 |
| Buje | 1493 | 200.9 | 2 |
| Ludbreg | 1493 | 200.9 | 0.05 |
| Otocac | 1493 | 200.9 | 0.05 |
| Petrinja | 1520 | 197.4 | 0.05 |
| Vrbovsko | 1570 | 191.1 | 0.05 |
| Karlovac | 1594 | 188 | 0.05 |
| Krapina-Zab | 1594 | 188 | 0.05 |
| Rovinj | 1594 | 188 | 0.05 |
| Vinkovci | 1594 | 188 | 0.05 |
| Ogulin | 1594 | 188 | 0.05 |
| Zabok | 1594 | 188.2 | 0.05 |
| **SLOVENIA** | | | |
| **Ljubljana I** | 917 | 327.1 | 135 |
| Koper | 1169 | 256.6 | 20 |
| Crnomelj | 1241 | 241.7 | 0.05 |
| Maribor | 1412 | 212.4 | 20 |
| Ljubljana II | 1484 | 202.2 | 2 |
| Celje | 1484 | 202.2 | 2 |
| Murska Sobota | 1484 | 202.2 | 2 |
| Trzic | 1484 | 202.2 | 0.2 |
| S. Jelsah | 1484 | 202.2 | 0.15 |
| Bovec | 1484 | 202.2 | 0.05 |
| Tolmin | 1493 | 200.9 | 0.05 |
| Slovenj Gradec | 1502 | 199.7 | 0.05 |
| Ptuj | 1511 | 198.5 | 0.05 |
| Brezice | 1562 | 192.1 | 0.05 |
| Kobarid | 1594 | 188 | 0.05 |
| Jesenice | 1594 | 188 | 0.05 |
| Trbovlje | 1594 | 188 | 0.05 |
| **BOSNIA/HERZEGOVINA** | | | |
| **Sarajevo** | 611 | 491 | 100 |
| Brcko | 1331 | 225.4 | 0.05 |
| Gradacac | 1430 | 209.8 | 0.05 |
| Tuzla | 1484 | 202.2 | 2 |
| Mostar | 1484 | 202.2 | 2 |
| Jajce | 1484 | 202.2 | 0.2 |
| Bihac & Modrica | 1484 | 202.2 | 0.05 |
| **MACEDONIA** | | | |
| **Skopje** | 809 | 371 | 135 |
| Delcevo | 1466 | 204.6 | 0.05 |
| Bitola | 1484 | 202.2 | 2 |
| Debar | 1484 | 202.2 | 0.05 |
| Gevgelija | 1484 | 202.2 | 0.05 |
| Gostivar | 1484 | 202.2 | 2 |
| Kicevo | 1484 | 202.2 | 0.15 |
| Kocani | 1484 | 202.2 | 0.15 |
| Ohrid | 1484 | 202.2 | 2 |
| Prilep | 1484 | 202.2 | 0.035 |
| Resen | 1484 | 202.2 | 0.15 |
| Strumica | 1484 | 202.2 | 0.05 |
| Skopje II | 1484 | 202.2 | 0.40 |
| Struga | 1484 | 202.2 | 0.025 |
| Berovo & Negotino | 1484 | 202.2 | 0.05 |
| Titov Veles | 1484 | 202.2 | 0.5 |
| Kavadarci | 1495 | 200.7 | 0.02 |
| Kumanovo | 1500 | 200.0 | 0.2 |
| Stip | 1552 | 193.3 | 0.2 |
| **MONTENEGRO** | | | |
| **Titograd** | 881 | 341 | 100 |

# Yugoslavia

**SHORT WAVES:** Beograd (G.C: 20.09E/44.34N)

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 6100 | 49.18 | 100 | 9505 | 31.56 | 50 | 11735 | 25.56 | 100 |
| 6150 | 48.78 | 10 | 9620 | 31.18 | 50 | 15240 | 19.69 | 100 |
| 7200 | 41.67 | 10 | | | | | | |

| **SERBIA** | **MHz** | **kW** |
|---|---|---|
| Avala I | 953 | 40 |
| Avala II | 97.7 | 4 |
| Belgrade I | 88.1 | 0.5 |
| Belgrade II | 98.5 | 0.25 |
| Crni Vrh I | 89.7 | 4 |
| Crni Vrh II | 99.3 | 4 |
| Crveni Cot I | 94.5 | 40 |
| Crveni Cot II | 96.5 | 40 |
| Goles I | 99.7 | 4 |
| Goles II | 92.5 | 1 |
| Jastrebac I | 96.9 | 50 |
| Jastrebac II | 89.3 | 50 |
| Kopaonik I | 98.9 | 4 |
| Kopaonik II | 90.9 | 1 |
| Ovcar I | 88.5 | 4 |
| Ovcar II | 90.1 | 4 |
| Subotica I | 92.5 | 4 |
| Subotica II | 88.9 | 1 |
| Tupizinica I | 92.5 | 4 |
| Tupizinica II | 96.1 | 4 |
| Novi Sad I | 90.5 | 50 |
| Novi Sad II | 87.7 | 4 |
| Goles | 95.7 | 30 |
| Pristina | 93.7 | 0.25 |
| **CROATIA** | | |
| Celevac I | 95.1 | 1.25 |
| Labistica I | 91.3 | 5 |
| Labistica II | 96.1 | 5 |
| Psunj I | 97.3 | 5 |
| Psunj II | 99.7 | 5 |
| Pula I | 88.1 | 5 |
| Sljeme I | 92.1 | 50 |
| Sljeme II | 98.5 | 50 |
| Stipanov Gric I | 89.7 | 2.5 |
| Ucka I | 99.3 | 50 |
| Ucka II | 96.9 | 5 |
| Zagreb I | 99.3 | 0.09 |
| Zagreb II | 88.1 | 0.06 |
| **SLOVENIA** | | |
| Celje | 97.0 | 0.25 |
| Kopertown | 89.3 | 0.375 |
| Koper-Beli Kriz | 97.7 | 0.375 |
| Krvavec I | 98.9 | 2.5 |
| Krvavec II | 91.7 | 2.5 |
| Kum I | 94.1 | 4.5 |
| Kum II | 99.9 | 1.5 |
| Ljubljana I | 96.5 | 1.5 |
| Ljubljana II | 93.5 | 0.375 |
| Mirna Gora I | 97.7 | 2.5 |
| Nanos I | 92.9 | 1.5 |
| Nanos II | 95.3 | 0.375 |
| Plesivec I | 90.1 | 0.375 |
| Plesivec II | 92.5 | 0.375 |
| Pohorje I | 88.5 | 0.375 |
| Pohorje II | 96.9 | 0.375 |
| Stol | 96.4 | 2.5 |
| **BOSNIA/ HERZEGOVINA** | | |
| Bjelasnica | 98.1 | 1 |
| Hum | 95.7 | 3 |
| Sarajevo | 96.5 | 1 |
| Vlašic | 97.1 | 1.5 |
| **MACEDONIA** | | |
| Crni Vrv | 94.1 | 0.8 |
| Ohrid | 92.1 | 0.012 |
| Pelister | 95.7 | 0.8 |
| Popova | 90.5 | 0.1 |
| Skopje | 98.9 | 0.6 |
| **MONTENEGRO** | | |
| Bjelasica | 92.1 | 1 |
| Lovcen | 94.9 | 1 |
| Titograd | 96.1 | 1.2 |
| Titograd | 99.9 | 1.2 |

**HOME SERVICE:**

**R. Beograd I:** W 04.05-00.05 (Sat/Sun/Mon 24 h). **N:** W 04.03, 04.30, 05.00, 05.30, 06.00, 07.05, 08.00, 09.00, 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 17.00, 18.00, 19.30, 21.00, 22.00, 23.00, 24.00. Sun 05.00, 05.30, 06.00, 07.00, 08.00, 10.00, 12.00, 15.00, 17.00, 18.00, 19.30, 22.00, 23.00, 24.00.

**R. Beograd II:** W 12.00-21.00 (Sat 11.00-21.00, Sun 08.00-21.00). **N:** W 12.30, 13.30, 14.30, 16.00, 17.30, 18.30, 20.50. Sun 08.30, 10.30, 12.30, 14.30, 16.30, 18.30, 20.50.

**R. Beograd III:** D 21.00-24.00.

**R. Zagreb I:** W 04.30-24.00 (Sat 24 h, Sun 04.30-00.10). **N:** D 04.30, 05.00, 05.45, 07.00, 08.00, 09.00, 10.00, 11.00, 12.00, 13.00, 14.40, 15.00, 16.00, 17.00, 18.00, 19.30, 21.00, 22.00, 23.00, 24.00.

**R. Zagreb II:** D 05.00-20.00. **N:** 05.30, 06.30, 07.30, 08.30, 09.30, 12.30, 15.30, 18.30 — **R. Zagreb III:** D 20.00-23.00.

**R. Ljubliana I:** W 04.30-23.35 (Sat 04.30-24.00, Sun 06.00-23.35). **N:** W 05.00, 06.00, 07.00, 08.00, 09.00, 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 17.00, 18.00, 19.30, 22.00, 23.00, 23.30. Sun 06.00, 07.00, 08.00, 09.00, 11.00, 12.00, 13.00, 15.00, 17.00, 19.30, 22.00, 23.00, 23.30.

**R. Ljubljana II:** W 20.00-24.00 (Sun 09.30-23.10). **N:** W 20.00, 21.00, 24.00. Sun 09.30, 11.30, 13.30, 17.30, 20.00, 21.00, 23.00.

**R. Sarajevo:** D 05.00-00.05. **N:** W 05.15, 06.30, 07.30, 09.00, 10.00, 12.00, 13.00, 15.00, 16.00, 17.00, 18.00, 19.30, 22.00, 23.00, 24.00. Sun 05.15, 06.30, 07.30, 10.00, 12.00, 15.00, 17.00, 19.30, 22.00, 23.00, 24.00.

**R. Skopje:** D 04.55-00.05. **N:** W 05.00, 06.00, 07.00, 08.00, 10.00, 11.00, 12.00, 13.00, 14.00 15.00, 16.00, 17.00, 19.30, 22.00, 23.00, 24.00. Sun 05.00, 06.00, 10.00, 12.00, 14.00, 16.30, 19.30, 22.00, 23.00, 24.00.

**R. Titograd:** D 05.30-08.30, 12.00-23.00. **N:** W 05.30, 06.30, 08.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.30, 22.00. Sun 06.00, 07.00, 08.00, 10.00, 13.00, 14.00, 18.00, 19.30, 22.00.

**R. Novi Sad:** 05.00-00.05. **N:** W 05.15, 05.30, 05.45, 06.00, 07.00, 09.00, 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 21.00, 21.30, 22.00, 22.30, 24.00. Sun 05.15, 05.30, 05.45, 06.00, 07.00, 09.28, 12.00, 15.00, 17.00, 18.00, 19.00, 21.00, 21.30, 22.00, 22.30, 24.00.

**R. Novi Sad II:** W 13.30-17.30, Sun 08.00-13.00. **N:** W 15.30, 14.30. Sun 10.30, 12.00, 13.00.

**R. Pristina:** W 05.00-23.05 (Sun 05.30-23.05). **N:** W 05.02, 06.00, 06.30, 07.00, 08.00, 09.00, 12.00, 13.00, 14.00, 15.00, 17.00, 18.00, 18.30, 19.30, 21.00, 22.00, 23.00. Sun 06.00, 07.00, 08.00, 10.00, 12.00, 13.00, 14.00, 15.00, 17.00, 18.30, 19.30, 22.00, 23.00.

**FOREIGN SERVICE**

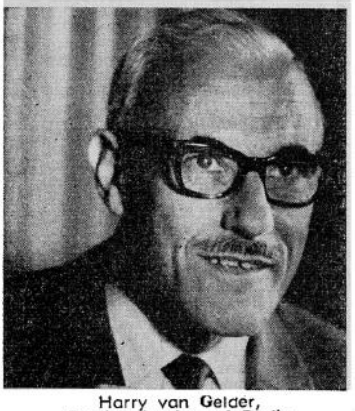
| **Albanian** | **kHz** | **French** | **kHz** |
|---|---|---|---|
| 14.00-14.30 | 6100, 7200 | 16.00-16.30 | 6100, 7200 |
| 20.30-21.00 (W) | 1412 | 19.30-20.00 | 6100, 7200 |
| 21.30-22.00 | 881 | 22.15-22.30 | 1268 |
| **Arabic** | | **German** | |
| 15.00-15.30 | 6100, 11735 | 16.30-17.00 | 6100, 7200 |
| 17.30-18.00 | 6100, 7200 | 20.30-21.00 | 6100, 7200 |
| **Bulgarian** | | **Russian** | |
| 13.00-14.00 (Sun | 926 | 14.30-15.00 | 6100, 7200 |
| 14.30-15.00 (W) | 926 | 17.00-17.30 | 6100, 7200 |
| 18.00-18.30 | 6100, 7200 | 19.00-19.30 | 6100, 7200 |
| **English** | | **Spanish** | |
| 15.30-16.00 | 7200, 15240 | 21.30-22.00 | 11735, 7200 |
| 18.30-19.00 | 6100, 7200 | 00.00-00.30 | 11735, 7200 |
| 20.00-20.30 | 6100, 7200 | 01.00-01.30 | 11735, 7200 |
| 22.00-22.15 | 1268 | | |

**N:** At the beginning of every tr.

**ANN: Home Service:** "Here is Radiotelevision Beograd, ...Zagreb, ...Ljubljana etc." — "Ovde Radiotelevizija Beograd, ...Zagreb, Ljubljana etc." — Foreign Service: "This is Yugoslavia, R. Belgrade calling" — "Ici la Yugoslavie, Belgrade vous parle", "Hier spricht R. Beograd".

**INT-SIG:** Home and Foreign Service: The beginning of the "Internationale" (Radio Belgrade).

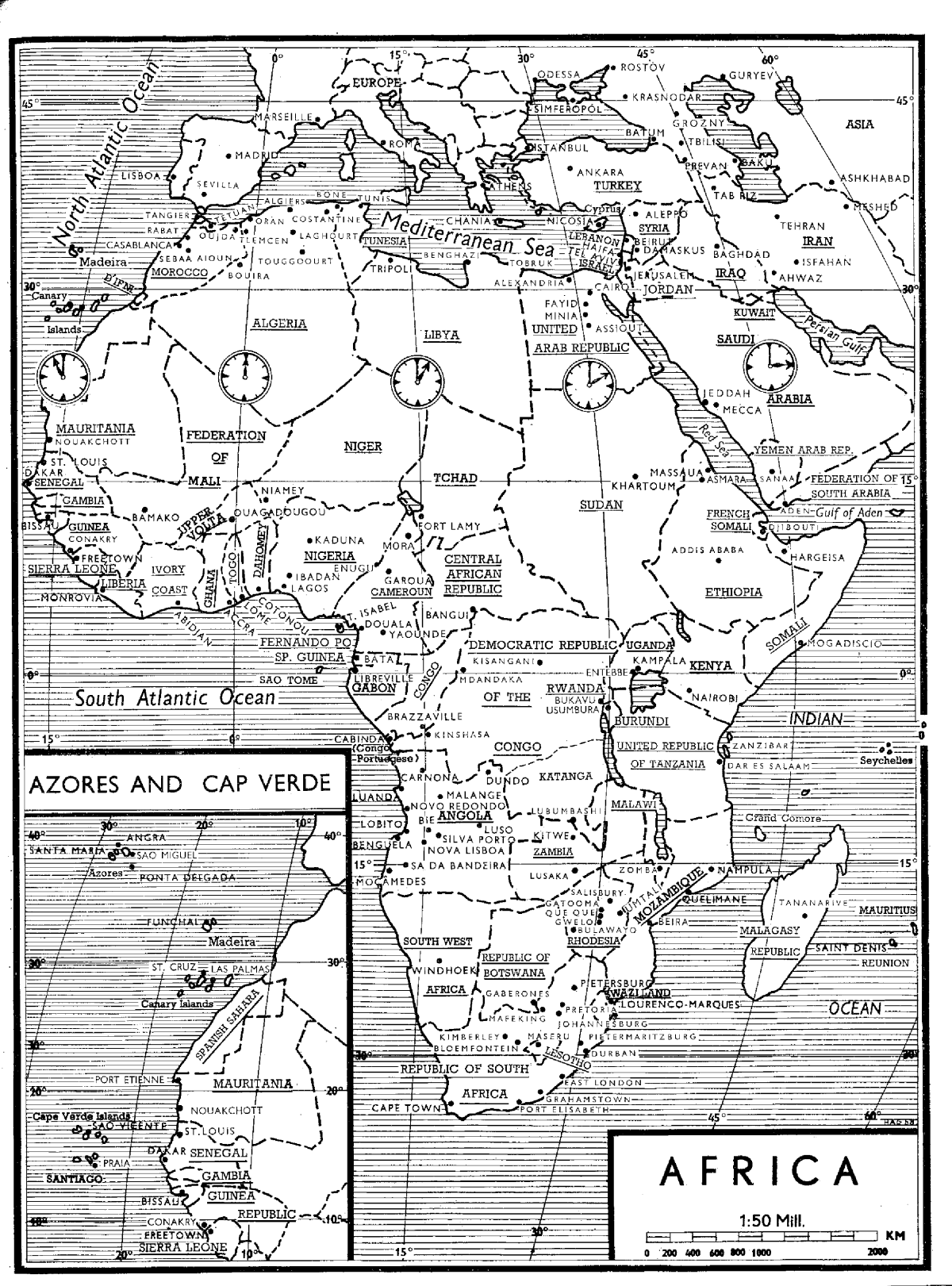
**V.** by QSL-card. Re. to: Chief Editor of External Broadcasting, 2 Hilendarska, Beograd. Recordings accepted — **ALF:** 7.200,-Din.



Harry van Gelder,
English Section of Radio
Nederland.

Joël Curchod,
Director of SBC's European
and Overseas Services.

Peter Hunter,
Announcer in Radio RSA's
English Service.


AFRICA
1:50 Mill.
KM
0 200 400 600 800 1000 2000
North Atlantic Ocean
South Atlantic Ocean
Mediterranean Sea
INDIAN OCEAN
EUROPE
ASIA
ALGERIA
LIBYA
MAURITANIA
FEDERATION OF MALI
NIGER
TCHAD
SUDAN
ETHIOPIA
SOMALI
KENYA
UGANDA
TURKEY
SYRIA
IRAQ
IRAN
JORDAN
KUWAIT
SAUDI ARABIA
YEMEN ARAB REP.
FEDERATION OF SOUTH ARABIA
FRENCH SOMALI
DJIBOUTI
ADEN
Gulf of Aden
Red Sea
Persian Gulf
UNITED ARAB REPUBLIC
CENTRAL AFRICAN REPUBLIC
DEMOCRATIC REPUBLIC OF THE CONGO
RWANDA
BURUNDI
UNITED REPUBLIC OF TANZANIA
MALAWI
ZAMBIA
ANGOLA
MOZAMBIQUE
RHODESIA
SOUTH WEST AFRICA
REPUBLIC OF BOTSWANA
REPUBLIC OF SOUTH AFRICA
LESOTHO
SWAZILAND
MALAGASY REPUBLIC
MAURITIUS
SAINT DENIS
REUNION
Seychelles
Grand Comore
Madeira
Canary Islands
Cape Verde Islands
SPANISH SAHARA
SENEGAL
GAMBIA
GUINEA
SIERRA LEONE
LIBERIA
IVORY COAST
GHANA
TOGO
DAHOMEY
UPPER VOLTA
NIGERIA
CAMEROUN
FERNANDO PO
SP. GUINEA
SAO TOME
GABON
CONGO
ANGOLA
LUANDA
BENGUELA
MOCAMEDES
LUSAKA
ZOMBA
NAMPULA
QUELIMANE
BEIRA
TANANARIVE
ZANZIBAR
DAR ES SALAAM
NAIROBI
KAMPALA
ENTEBBE
BUKAVU
USUMBURA
KISANGANI
MDANDAKA
BRAZZAVILLE
KINSHASA
CABINDA (Congo-Portuguese)
CARNONA
DUNDO
KATANGA
MALANGE
NOVO REDONDO
BIE
LOBITO
LUSO
SILVA PORTO
NOVA LISBOA
KITWE
LUBUMBASHI
SA DA BANDEIRA
SALISBURY
GATOOMA
QUE QUE
GWELO
BULAWAYO
WINDHOEK
GABERONES
MAFEKING
PIETERSBURG
PRETORIA
LOURENCO-MARQUES
JOHANNESBURG
KIMBERLEY
MASERU
PIETERMARITZBURG
BLOEMFONTEIN
DURBAN
EAST LONDON
GRAHAMSTOWN
PORT ELISABETH
CAPE TOWN
ODESSA
ROSTOV
GURYEV
KRASNODAR
SIMFEROPOL
GROZNY
BATUM
TBILISI
PREVAN
BAKU
ISTANBUL
ANKARA
ATHENS
ASHKHABAD
MESHED
TAB RIZ
TEHRAN
ISFAHAN
AHWAZ
BAGHDAD
ALEPPO
BEIRUT
DAMASKUS
JERUSALEM
CAIRO
ASSIOUT
FAYID
MINIA
ALEXANDRIA
TOBRUK
BENGHAZI
TRIPOLI
TUNESIA
CHANIA
NICOSIA
Cyprus
LEBANON
HAIFA
TEL AVIV
ISRAEL
JEDDAH
MECCA
MASSAUA
ASMARA
SANAA
KHARTOUM
ADDIS ABABA
HARGEISA
MOGADISCIO
MARSEILLE
ROMA
MADRID
LISBOA
SEVILLA
ALGIERS
BONE
TUNIS
TANGIER
TETUAN
ORAN
COSTANTINE
RABAT
OUJDA
TLEMCEN
LAGHOURT
CASABLANCA
SEBAA AIOUN
TOUGGOOURT
BOUIRA
MOROCCO
D'IFNI
NOUAKCHOTT
ST. LOUIS
DAKAR
BISSAU
CONAKRY
FREETOWN
MONROVIA
ABIDJAN
ACCRA
LOME
COTONOU
NIAMEY
OUAGADOUGOU
BAMAKO
KADUNA
ENUGU
IBADAN
LAGOS
MORA
FORT LAMY
GAROUA
ST. ISABEL
DOUALA
YAOUNDE
BANGUI
BATA
LIBREVILLE
MOGADISCIO
ZANZIBAR
DAR ES SALAAM
ANGRA
SANTA MARIA
SAO MIGUEL
Azores
PONTA DELGADA
FUNCHAL
ST. CRUZ
LAS PALMAS
PORT ETIENNE
NOUAKCHOTT
SAO VICENTE
ST. LOUIS
DAKAR
PRAIA
SANTIAGO
BISSAU
CONAKRY
FREETOWN
SIERRA LEONE
AZORES AND CAP VERDE

# AFRICA

## AFAR & ISSA (French)

L.T: GMT+3h – Pr.L: French, Somali, Afar, Arabic.

**OFFICE DE RADIODIFF. TELEVISION FRANCAISE (ORTF)**
**ADDR:** B.P. 97, Djibouti. Te: 177. Cable: Radiodiffusion – L.P: Dir: J. Franco. Dir. Tec: L. Sebastien.
**STATIONS** (G.C: 43.00E/11.30N): all tr's 4 kW.
1169kHz 256.6m – 1538kHz 195.0m – 4780 kHz 62.76m.
**HOME SCE: On 1169kHz. French:** W 03.00–04.15, 09.00–10.30, 15.30–20.10 on 1169kHz; Sun. 05.00–10.30, 15.30–20.10. N: 03.00, 04.00, 09.00, 17.00 – **On 1538/4780kHz: Somali:** 04.00–05.00 (Sun 06.30–08.00), 10.00–11.00, 13.00–14.00, 16.00–18.00. N: 10.00, 16.00– **Afar:** 03.00–04.00 (Sun 05.00–06.30), 09.00–10.00, 12.00–13.00, 18.00–20.00 – **Arabic:** 05.00–06.00 (Sun 08.00–09.00), 11.00–12.00, 14.00–16.00.
**ANN:** F: "Ici Djibouti Office de Radiodiff. Télévision Française". Afar: "Ah Djibouti Radio". Arabic: "Houna Djibouti dar el Iza'a el Francia lil Radiowal Television". Somali: "Al kani wa Radio–Djibouti" – **INT-Sig:** Extract from a Somali melody – V. by letter and QSL-card. Rp. Recordings accepted.

## ALGERIA

L.T: GMT – Pr.L: French, Arabic, Kabyl.

**RADIODIFFUSION-TELEVISION ALGERIENNE (Gov.)**
**ADDR:** 21, Blv. des Martyrs, Algiers. Te: 602300. Telex: 91014 **L.P:** Dir. Gen: M. Rezzoug. Vice Gen. Dir: B. Zerrouki, Dir of Information: M. Zitouni, Dir. of Tec. Services: A. Laghouati.
**ARABIC NETWORK:** W 06.00–09.00, 12.00–24.00, Sun 06.00–24.00.

| | kHz | m | kW | | | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| Oran I | 548 | 547.4 | 300 | — | Algiers | 5970 | 50.25 | 50 |
| Algiers | 980 | 306.1 | 200 | — | Algiers | 9510 | 31.55 | 50 |
| Constantine I | 529 | 561.1 | 300 | — | Algiers | 11810 | 25.40 | 50 |

N: 07.00, 10.00, 12.00, 13.15, 15.00, 17.15, 18.00, 20.00, 22.30, 24.00.
**FRENCH NETWORK:** W 06.30—09.00, 11.00—14.30, 20.00—17.00, 22.00. Sun 07.00—22.00

| | kHz | m | kW | | | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| Algiers II | 890 | 331.1 | 200 | — | Algiers | 6175 | 48.58 | 50 |
| Constantine II | 1304 | 230.1 | 20 | — | Algiers | 11835 | 25.35 | 50 |
| Oran II | 1304 | 230.1 | 20 | | | | | |

N: 07.30, 12.15, 13.00, 18.00, 19.00, 19.45, 21.45.
**KABYL NETWORK:** D 06.30–09.00, 12.00–15.00, 18.00–23.00.

| | kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|---|
| Algiers III | 1421 | 211 | 40 – | 7170 | 41.84 | 50 – | 11715 | 25.61 | 100 |
| Algiers | 6080 | 49.34 | 100 – | 9685 | 30.98 | 50 | | | |

N: 07.15, 12.30, 14.45, 18.02, 19.30, 22.40.
**SUPPLEMENTARY NETWORK** (relays French, Arabic netw, local prgr's): 11.00—13.15, 17.00–23.00.

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Touggoourt | 557 | 539 | 1 | Setif | 854 | 351 | 0.05 |
| Laghourt | 575 | 522 | 4 | Batna | 1016 | 295 | 1 |
| Bouira | 692 | 434 | 1 | Souk Ahras | 1079 | 278 | 1 |
| Tlemcen | 746 | 402 | 1 | Bougie | 1594 | 188.2 | 0.6 |

**RELAYS ON SHORTWAVE** (G.C: 03.00E/37.00N):
**Arabic** (to Morocco, Middle East): 06.00–09.00, 17.00–24.00 on 5970kHz, 12.00–17.00 on 9510/11810kHz–**French** (to Europe): 06.30–08.30, 17.00–23.00 on 6175kHz, 08.30–17.00 on 11835kHz – **Kabyl** (to Europe): 06.30–08.30 (Sun 09.00), 18.00 (Sun 17.00)–23.00 on 6080/7170kHz, 12.00–15.00 (Sun 17.00) on 9685/11715kHz.
**Note:** see last minute details.
**FOREIGN SERVICE on 890/6175/11835kHz:**
**English** 22.00–22.30, **Spanish** 22.30–23.00.
**ANN:** F: "Ici Alger Radiodiff. Télévision de la République Algerienne Democratique et populaire". Arabic: "Houna el Djazair Idhaatou el Djamhouriati el Djazariyati el Demaukrati hati oua ch'chaa bi'yati". V. by QSL-card. Re. in French – **ALF:** DA 25,–.

## ANGOLA (Portuguese West Africa)

L.T: GMT+1 h. – Pr.L: Portuguese.

**DIRECCAO DOS SERVICOS DOS CORREIOS, TELEGRAFOS E TELEFONOS, LUANDA**
**L.P:** Dir: A. Cardoso de Sousa.
**STATIONS:** Call CR6 – All st's comm. exc. 2) (Gov.), 14) (Rlg).

| | Short Waves: | kHz | m | kW | Name time of tr. *=inactive. |
|---|---|---|---|---|---|
| 1) | RF | 3250 | 92.31 | 0.25 | R. Cl. de Benguela, Cubal: 05.30–08.00, 11.00–13.00, 17.00–21.30 |
| 2) | RZ | 3375 | 89.89 | 10 | R. Angola: 17.45–01.00 |
| 3) | RD | 3704 | 80.99 | 1 | R. Cl. do Huambo: 16.00–23.00 |
| 4) | RM | 3740 | 80.21 | 0.75 | R. Cl. de Moçâmedes: W 16.30–22.00; Sun 16.00–21.00 |
| 5) | SG | 3970 | 75.75 | 1 | R. Cl. da Huila: W 06.30–13.30, 15.30–23.00; Sun 07.00–21.00 |
| 1) | RF | 3975 | 75.47 | 0.25 | R. Cl. de Benguela: W 05.45 07.00, 10.00–13.30, 16.30–21.30; Sun 07.00–21.00 |
| 6) | RG | 4770 | 62.89 | 0.5 | R. Diamang: W 18.00–19.30; Sun 11.00–12.30 |
| 7) | – | 4795 | 62.57 | 10 | R. Comercial de Angola: 07.00–10.30, 12.00–14.00, 17.00–01.00 |
| 2) | RZ | 4820 | 62.24 | 10 | R. Angola: 05.00–01.00 |
| 8) | RY | 4840 | 61.98 | 2 | R. Cl. do Cuanza Sul; 12.00–14.00, 17.00–23.00 |
| 9) | RU | 4850 | 61.86 | 1 | R. Cl. do Uige: W 06.00–08.00, 11.00–14.00, 17.00–22.00; Sun 08.00–20.00 |
| 10) | RN | 4860 | 61.73 | 1 | R. Cl. de Angola: W 06.00–14.30, 17.00–21.00 (Sat 23.00); Sun 08.00–20.00 |
| 11) | RO | 4896 | 61.27 | 1 | R. Cl. do Bié: W 06.00–07.00, 11.00–13.00, 16.00–22.00; Sun 07.00–19.00 |
| 12) | RS | 4910 | 61.10 | 1 | R. Cl. do Lobito; 06.00–23.00 |
| 13) | RE | 4935 | 60.80 | 1 | R. Cl. de Malanje: 06.00–09.00, 11.00–14.00 (Sat/Sun 16.00), 16.00–22.00 (Sat 23.00) |
| 14) | RB | 4985 | 60.18 | 1 | R. Ecclesia: 00.05–24.00 |
| 4) | RM | 5015 | 59.82 | 1 | R. Cl. de Moçâmedes: W 16.30–22.00; Sun 07.00–10.00, 16.00–21.00 |
| 5) | RH | 5024 | 59.71 | 1 | R. Cl. da Huila: W 06.30–13.30, 15.30–23.00; Sun 07.00–21.00 |
| 15) | RW | 5033 | 59.59 | 1 | R. Cl. de Cabinda: W 06.00–08.00, 11.30–13.30, 17.30–21.30; Sun 08.00–14.00, 16.00–20.00 |
| 1) | RF | 5042 | 59.50 | 1 | R. Cl. de Benguela: W 05.45–07.00, 10.00–13.30, 15.30–23.00; Sun 07.00–21.00 |
| 3) | RD | 5060 | 59.29 | 1 | R. Cl. do Huambo: 05.00–13.30, 16.00–23.00 |
| 16) | RV | 5192 | 57.58 | 1 | R. Cl. do Moxico: W 05.30–09.00, 11.00–14.00, 17.00–22.00; Sun 08.00–20.00 |
| 2) | RZ | 6025 | 49.79 | 10 | R. Angola: 05.00–10.00, 17.45–01.00 |
| 1) | RF | 6150 | 48.78 | 1 | R. Cl. de Benguela: W 05.45–07.00, 10.00–13.30; Sun 07.00–17 00 |
| 13) | RE | 7115 | 42.15 | 0.5 | R. Cl. de Malanje: 06.00–09.00, 11.00–14.00 (Sat/Sun 16.00) |
| 3) | RD | 7125 | 42.11 | 1 | R. Cl. do Huambo: 05.30–13.30 |
| 10) | RA | 7140 | 42.02 | 0.5 | R. Cl. de Angola: W 06.00–14.30, 17.00–21.00 (Sat 23.00); Sun 08.00–20.00 |
| 7) | – | 7150 | 49.96 | 10 | R. Comercial de Angola: 07.00–10.30, 12.00–14.00, 17.00–01.00 |
| 12) | RS | 7175 | 41.81 | 1 | R. Cl. do Lobito: 06.00–23.00 |
| 11) | RO | 7203 | 41.65 | 1 | R. Cl. do Bié: W 06.00–07.00, 11.00–13.00, 16.00–22.00; Sun 07.00–19.00 |
| 4) | RM | 7230 | 41.49 | 0.75 | R. Cl. de Moçâmedes: W 06.00–09.00, 11.00–13.30; Sun 07.00–16.00 |
| 2) | RZ | 7235 | 41.47 | 10 | R. Angola: 05.00–17.45 |
| 8) | RP | 7285 | 41.18 | 0.25 | R. Cl. do Cuanza Sul: W 12.00–14.00, 17.00–23.00; Sun 07.00–19.30 |
| 4) | RM | 9515 | 31.53 | 1 | R. Cl. de Moçâmedes: W 06.00–09.00, 11.00–13.30 |
| 2) | RZ | 9535 | 31.46 | 10 | R. Angola: 10.00–17.45 |
| 6) | RI | 9615 | 31.20 | 1 | R. Diamang: as 4770kHz |
| 10) | RL | 9630 | 31.15 | 1 | R. Cl. de Angola: W 06.00–14.30, 17.00–21.00 (Sat 23.00); Sun 08.00–20.00 |
| 3) | RD | 9660 | 31.06 | 1 | R. Cl. do Huambo: W 05.30–13.30; Sun 11.00–16.00 |
| 5) | SG | 9675 | 31.01 | 1 | R. Cl. da Huila: W 06.30–13.30, 15.30–23.00; Sun 07.00–21.00 |
| 6) | RR | 11685 | 25.67 | 1 | R. Diamang: W 18.00–19.30; Sun 11.00–12.30 |
| 5) | SG | 11940 | 25.13 | 1 | R. Cl. da Huila: W 06.30–13.30, 15.30–23.00; Sun 07.30–20.00 |

Medium Waves: °=Short Wave

| | Call | kHz | m | kW | | Call | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|---|
| 10) | R | °830 | 361.4 | 1 | 15) | RW | °1340 | 224.0 | 1 |
| 14) | RB | °1010 | 287.0 | 1 | 2) | RZ | °1367 | 219.5 | 1 |
| 2) | RZ | °1088 | 275.0 | 10 | 5) | RA | °1367 | 219.5 | 1 |
| 12) | RS | °1110 | 270.0 | 1 | 11) | | °1385 | 217.0 | 1 |
| 3) | RD | °1160 | 259.0 | 1 | 12) | RS | °1403 | 213.8 | 1 |
| 8) | RP | °1160 | 259.0 | 1 | 7) | – | °1405 | 213.5 | 1 |
| 9) | RU | °1187 | 252.7 | 1 | 1) | RF | °1529 | 196.2 | 1 |
| 13) | RE | °1205 | 249.0 | 1 | 17) | – | °1547 | 193.9 | 1 |
| 16) | – | °1214 | 247.0 | 1 | 3) | RD | °1594 | 188.2 | 1 |
| 4) | RM | °1331 | 225.4 | 1 | | | | | |

**F.M:** 1) 99.5MHz 0.05kW – 2) 93.5MHz 0.25kW – 3) 97.1MHz 0.05kW – 7) 90.5MHz – 8) 93.8MHz 1kW – 10) 97.5MHz 0.5kW – 12) 54.14MHz 10kW – 14) 95.6MHz 0.05kW.

**Short Waves:**
1) C.P. 19, Benguela. Te: 2117. Cable: Radio Clube. L.P: Pres: L.N. Serodio. Dir. Tec: A. Pereira de Sousa. D.Prgr: N: 06.30 (W), 09.00 (Sun), 11.30 (W), 12.30 (Sun), 18.30, 22.45 (W). Wrp: after N. 11.30, 18.30 MW: W 05.45–13.30, 15.30–23.00, Sun 07.00–21.00 on 1529kHz. Emissor Reg. do Cubal (3975kHz). Ann: "R. Clube de Benguela, Angola, Provincia Portuguesa de Africa". Int-Sig: Solo on Kissange, a native instrument. V. by QSL-card or letter. Recordings accepted.
2) C.P. 1239, Luanda. Te: 80499. L.P: Dir. Gen: J. F. Malho Ilharco. Dir. Tec: J. C. Proença. Dir. Prgr: J. Amaro. Dir. Adm: A. Diogo Jr. D.Prgr: N: 06.10, 07.00, 07.30, 08.00, 08.30, 09.00, 10.00, 11.00, 12.00, 13.00, 13.30, 14.00, 14.30, 15.00, 16.00, 17.00, 19.00, 20.00, 20.30, 21.00, 22.00, 23.00, 24.00, 00.30. Classical cultural Prgr: 19.30–24.00 on 1088kHz/95.3MHz. English: 17.05–17.45 on 7235/9335kHz, 10.15–10.55 (repeat from day before) on 4820kHz. French: 10.15–10.55 on 7235kHz, 11.15–11.55 (repeat) on 4820kHz. MW: 05.00–01.00 on 1088/1367kHz. Ann: "Aqui Portugal, Emissora Oficial da Provinca de Angola, Luanda". E: "This is Luanda calling from the Studios of the National R. Station of Angola, Portugal". F: "Le Portugal à l'Afrique vous parle, la Radiodiff. officielle de la Province du Angola en Luanda". Int-Sig: Kizanzi (first movements of Nat. Anthem). V. by QSL-card. Re. appreciated.
3) C.P. 125, Nova Lisboa. Te: 2241. Cable: Radihuambo – L.P: Pres: J. M. da Costa. Vice Pres: R. F. da Silva. Secr: A. J. Ramalho. Dir. Prgr: A. Caratão. D.Prgr: Umbundo: 17.00–19.00 on 1160/1534kHz. MW: 05.30–13.30, 16.00–23.00 on 1160/1594kHz. Ann: P: "Aqui Angola, Portugal, de Nova Lisboa transmite o R. Clube do Huambo, Uma voz portuguesa em Africa" (This is Angloa, Portugal, R. Clube of Huambo, Nova Lisboa, A Portuguese voice in Africa). Umbundo: "Kulo ko Angola Portugal. Ylo ó R. Clube yo Huambo, ko Nova Lisboa, Ocipama cetu ca Cruzeiro do Sul". Int-Sig: Birdchirping. V. by QSL-card.
4) C.P. 174, Moçâmedes. Te: 200. Cable: Radioclube. L.P: Pres: J. J. Chalupa. St. Mgr: R. R. Costa. D.Prgr: N: 06.30 (W), 12.00, 19.00. English: Sun 10.00–11.00 on 9515kHz to So. & So. We. Africa. MW: 06.00–09.00, 10.00–21.00; Sun 07.00–21.00 on 1331kHz. Ann: "R. Clube de Moçâmedes, em Angola, Provincia Portuguesa de Africa". V. by QSL-card.
5) C.P. 111, Sá da Bandeira. Te: 92. Cable: Radioclube. L.P: Pres: Dr. E. de Figueirede Fernandes. Dir.Tec: J. H. Guimares. D.Prgr: N: 07.30, 12.00, 19.30. Ann: "R. Clube de Huila em Sá da Bandeira, Angola, Provincia de Portugal em Africa". Int-Sig: First movements from "Bailinho da Madeira". V. by QSL-card. Rp.
6) C.P. 1247, Dundo. Luanda. Cable: Diamang, Portugalia. L.P: Dir. Gen: J. A. Bexiga. Dir. Tec: F. O. T. Rego – R. Diamang is a private st. which aims only to entertian the Diamang employes who work in the mining fields of Luanda. The Prgr's are varied and consist only of classic, light and native music – Ann: "Aqui Dundo, Angola, Provincia Portuguesa de Africa, R. Diamang, Estação Emissor da Companhia de Diamantes de Angola". Int-Sig: At opening "Marimba" solo (native instruments of percussion similar to the xylophone). V. by QSL-card. Re. in P, E. or F.
7) C.P. 269, Sá da Bandeira. Te: 115. Cable: Radial. L.P: Dir. Gen: A. Maria Telo. Mgr: J. J. A. da Cunha. Dir. Tec. L. Pereira Venâncio. Mgr.Prod: C. Sanches. D.Prgr: N: 06.00 (W), 11.00, 18.30 – MW/FM: W 06.00–13.00, 16.00–24.00; Sun 08.00–24.00 on 1405kHz/90.5MHz (English, Portuguese, Afrikaans & French reported at 23.00–24.00). Ann: "R. Comercial de Angola a Voz de Amizade, com os seus estudios em Sá da Bandeira". Int-Sig: Trumpets, Drums. V. by letter.
8) C.P. 10, Novo Redondo. L.P: Pres: O. Viegas. Dir. Tec: J. Vilela. Ann: "Aqui Portugal, transmite de Novo Redondo, Angola, R. Clube do Cuanza Sul". Int-Sig: Guitar. V. by QSL-card.
9) C.P. 140, Carmona. Te: 26. Cable: Radioclube. L.P: Pres: J. J. Nogueira. Vice Pres: J. de Sousa Mendez da Rocha Diniz. Secr: J. A. Gonçalves Nabais. D.Prgr: N: 06.15, 11.15, 11.30, 12.00, 12.30, 17.15, 18.30, 19.00, 21.00. Ann: "R. Clube do Uige, em Carmona, Provincia Portuguesa d'Africa". Int-Sig: Passarinhos followed by a march "Angola é Nossa". V. by letter.
10) C.P. 229, Luanda. Te: 3448. Cable: Radangola. L.P: Pres: Com: M. de Albuquerque e Castro. Dir. of Prod: A. M. da Costa. Tec. Mgr: H. B. Victor. Prgr.Mgr: A. dos Santos e Sousa. D.Prgr: N: 06.30, 07.30, 08.30, 09.30, 10.30, 11.30, 12.30, 13.30, 14.30, 15.30, 16.30, 17.30, 18.45, 22.30. Ann: "Angola, Provincia Portuguesa de Africa, de Luanda emite R. Clube de Angola, a vossa estaçao . . ." – V. by QSL-card.
11) C.P. 33, Silva Porto. L.P: J. P. de Andrade. Dir.Prgr's: F. Texira. Dir. Tec: R. Mauricic. D.Prgr: N: 06.20(W), 11.20, 18.20, Ann: "R. Clube do Bié em Silva Porto, Angola, Provincia de Portugal em Africa". Int-Sig: Gong. V. by QSL-card.
12) C.P. 56, Lobito. Te: 62. L.P: Pres: Dr. L. C. Fernandes dos Santos. Dir. Tec: A. Fernandes. Dir. Prgr: J. E. Monteiro. D.Prgr: N: 06.05, 12.00, 16.45, 19.00, 21.30, 22.50. Ann: "Angola, Portugal transmite o R. Clube do Lobito". Int-Sig: Gong. V. by QSL-card or letter. Re. in E, F, P, Sp.
13) C.P. 83, Malanje. Te: 30. L.P: Pres: J. B. P. do Amaral. Dir.Prgr: J. de Sousa Berenguel. Dir. Tec: J. C. A. da Silva. D.Prgr: N: 06.30, 11.50, 19.00, 22.00 (Sat). MW: 06.00—09.00, 11.00–14.00 (Sat/Sun 16.00), 16.00–22.00 on 1205kHz. Ann: "Aqui Portugal transmite o R. Clube de Malanje em Angola, Provincia de Africa". Int-Sig: Some movements from "Reida Festa" on Guitar. V. by QSL-card.
14) C.P. 156, Luanda. Te: 2302. Cable: "Eccléesia". L.P: Dir. Gen: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MORE INFORMATION: SEE PAGE 207

J. M. Pereira. Dir. Tec: J. F. Dimiz da Gama. D.Prgr: N: 06.00, 11.45, 18.15, 21.30, 23.00, 23.45. Ann: "Aqui Portugal R. Eccléesia, Emissora Catolica da Angola". Int-Sig: Music from "A Treze de Maio". V. by QSL-card.
15) C.P. 116, Cabinda. Te: 116. L.P: Pres: Dr. J. Delgado. Dir. Tec: A. T. Monis. D.Prgr: N: 06.30, 12.00, 17.30 (Sun), 19.00(W). Ann: "Aqui Cabinda, Angola, Provincia Portuguesa d'Africa transmite o R. Clube de Cabinda". Int-Sig: Gong. V. by QSL-card or letter.
16) C.P. 74, Luso. Cable: Radioclube. L.P: Pres: J. P. d'Albuquerque. Vice Pres: O. G. Pernes. Secr: E. M. Gonçalves. D.Prgr: N: 07.00, 08.00, 11.05, 12.00, 13.00, 18.00, 19.00, 20.00, 21.00, Ann: "R Clube do Moxico, em Luso, Angola, Provincia Portuguesa em Africa". Int-Sig: Gong. V. by letter.
Medium Waves: 17) A Voz de Luanda, C.P. 6543, Luanda. Te: 2907 – L.P: Dir. Gen: C. Moutinho. Dir. Tec: A. de Oliveira Lopes – D.Prgr: 05.15–24.00 – Ann: "Aqui Portugal, da Cidade Capital de Angola transmite "A Voz de Luanda" – V. by letter.

## ASCENSION ISLAND (British)

L.T: GMT – Pr.L: English.

**VOLCANO RADIO (Priv.)**
Operated by members of RCA and Pan-American Airways – ADDR: Volcano Radio, Ascension Island – L.P: Eng-in-charge: P. K. Reid Jr. STATION: 1600kHz 1kW: 24 h in English. V. by letter. Re. to Box 4187, Patrick Air Force Base, Fla. 32925, USA.

**RADIO ASCENSION (BBC operated)**
ADDR: ZR. Ascension, Ascension Island.
STATION: ZD8RA 1448kHz 0.2kW – D.Prgr's in English: 24 h (relay of the BBC World Service exc. a short bulletin of local news).

**BBC ATLANTIC RELAY**
4 × 250kW tr's for relays of BBC-World Sce., as well as French, Hausa & English Sce's to Africa, and Latin American Sce. (Portuguese & Spanish).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 7105 | 42.22 | 11820 | 25.38 | 15105 | 19.86 | 15400 | 19.48 |
| 7240 | 41.44 | 11840 | 25.34 | 15140 | 19.82 | 15420 | 19.46 |
| 9580 | 31.32 | 11860 | 25.30 | 15180 | 19.76 | 15435 | 19.44 |
| 9600 | 31.25 | 11865 | 25.28 | 15235 | 19.69 | | |

RELAY WORLD SERVICE

| To Africa | kHz | To Africa | kHz |
|---|---|---|---|
| 05.00–06.30 | 11860,15235 | 08.00–08.15 } | 9600,11860 |
| 05.00–05.15 | 7105,9600 | 09.00–09.15 } | 15235,15435 |
| 06.00–06.30 | 7105,9600 | 18.00–18.30 | 9580,11820 |
| 07.00–07.30 | 9600,11860 15235,15435 | | 15105,15400 |
| 07.00–07.15 | 7105 | 19.00–19.45 | 11820,15400 |
| To America | | 20.00–20.15 | 9580,11820 |
| 22.00–04.15 | 11865,15140 | | 15400 |

RELAY AFRICA SCE.

| English | kHz | English | kHz |
|---|---|---|---|
| 06.30–07.00 | 11860,15235 | 16.45–17.45 | 15105,15400 |
| 07.30–08.00 | 11860,15235 15435 | 19.45–20.00 } 21.15–21.30 } | 11820,15400 |
| 16.45–17.45 | 11820,11840 | | |
| French | | French | |
| 04.30–04.45 | 7105,9600 11860,15235 | 18.30–19.30 21.15–21.30 | 9580,15105 7240,9600 |
| 05.15–05.45 | 7105,9600 | 21.30–21.45 | 7240,9600 |
| 06.30–07.00 | 7105,9600 | | 11820,15400 |
| Hausa | | Hausa | |
| 05.45–06.00 | 7105,9600 | 19.30–20.00 | 9580,15105 |

RELAY LATIN AMERICAN SCE

| Portuguese | kHz | Spanish | kHz |
|---|---|---|---|
| 22.00–00.15 | 11820,15180 | 00.15—04.15 | 11820,15180 |

## BOTSWANA (Rep.)

L.T: GMT+2 h – Pr.L: English, Setswana.

**RADIO BOTSWANA (Gov.)**
ADDR: P.O. Box 52, Gaberones – L.P: Broadc. Officer: D. M. Mokaila. Chief Eng: C. I. Kennedy.
STATIONS: 971kHz 309m 2kW – 3356kHz 89.40m 10kW – 4836kHz 62.03m 0.4kW – 5965kHz 50.29m 10kW – 9590kHz 31.28m 0.4kW – FM: 90.7MHz 0.25kW.
HOME SCE. in English, Setswana:
D, 15.30–19.00 (Mon/Wed. also 14.00–14.30 and Thurs/Sat 13.30–14.00). N: 16.00 (BBC), 16.15 (W), 18.00 (BBC) – ANN: "This is Radio Botswana" – V. by QSL-card — F.PL: Additional 10kW tr's. using 971/4836/7295kHz.

**BBC CENTRAL AFRICAN RELAY**
Stations: 602 926kHz (both 50kW); 4845/7295kHz (both 10kW).
**RELAY OF WORLD SERVICE:**
04.00-04.45 on 602, 926, 4845kHz; 05.00-08.30 on 602, 926kHz (also 4845kHz to 05.45); 06.00-08.30 on 7295kHz; 17.15-20.15 on 602, 926, 4815kHz.

**RELAY OF AFRICAN SERVICE (English):**
04.45-05.00, 16.30-17.09, 20.15-20.45 on 602, 926, 4845kHz.

## BURUNDI (Kingdom)

LT: GMT+2 h – Pr.L: Kirundi, Swahili, French.

**LA VOIX DE LA REVOLUTION (Gov.)**
ADDR: B.P. 1900, Bujumbura. Te: 2236. Cable: Radiodiffusion – L.P: Dir. of Inf: A. Mbonankira. Dir. Prgr's: F. Maceri.
STATIONS (G.C: 29.21E/03.23S):
1168kHz 256.8m 1kW – 6195kHz 48.43m 10kW (rep. on 6140kHz).
HOME SCE in French, Kirundi: W 04.00–05.45, 10.00–11.45, 15.00–21.00. Sun 04.00–12.00, 14.30—21.00. N in French: 04.45, 10.45, 18.00. N in Kirundi: 05.00, 11.00, 17.00. N in Swahili: 05.15, 11.15, 17.30 – ANN: F: "Ici Bujumbura, la Voix de la Révolution émettant dans les bandes 48m et 252 metres, soit 6195 et 1168kHz" – INT-SIG: A Rundi (umuduli) vocal bow: This is an ordinary bow that is stretched over the tendon of an ox, fitted with a calabash bowl instead of a resonance box. This instrument produces a monotonous rhythmical tone consisting of two characteristic sounds – V. by QSL-card. Recordings accepted.

**RADIO CORDAC** (Corporation de Radiodiffusion de l'Afrique Central – Central African Broadc. Co. a Missionary Broadc. St.)
ADDR: B.P. 1140, Bujumbura. Te. 2503. Cable: Cordac – L.P: Dir. of Inf. & Dir. Tec: J. E. Morris.
STATIONS: 9UZ23 1400kHz 214m 0.25kW – 9UZ22 3985kHz 75.28m 0.5 kW – 9UZ24 4920kHz 60.98m 2,5kW.
HOME SCE: 03.30–05.30 (Sun 07.30), 09.30–11.00, 16.30–19.15 (rlg's and musical prgrs) – English: 03.30–03.45, 05.15—05.30, 06.45–07.30 (Sun), 09.30—10.00, 16.30–17.30 – French: 05.00–05.15. 06.00–06.45 (Sun), 10.00–11.00, 18.45–19.15 (Mon & Fri 18.30–18.45), Other times in Kirundi, Swahili.
ANN: E: "This is Radio Cordac Bujumbura, Burundi, the Central African Broadc. Co. Incorporated" – INT-SIG: "Come Ye Thankful People Come" played on Carillon – V. by QSL-card. Recordings accepted. Rp – PUB: "Skywaves" bi-monthly in English.

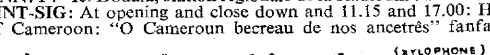
## CAMEROON (Federal Republic of)

LT: GMT+1 h – Pr.L: French, English, Vernaculars.

**RADIODIFFUSION DU CAMEROUN (Gov.)**
ADDR: B.P. 281, Yaounde. Te: 4635. Cable: "Radiocameroun". L.P: Federal Dir: A. Moutongo Black. Dir. Tec: M. Kamden. Dir. Adm: J. Dipoko. Dir. of Documentation: C. L. Sack.

**RADIO YAOUNDE (Nat. st.)**
ADDR: B.P. 281, Yaounde. Cable: "Radio Yaounde". Te: 4635.
L.P: Dir: J. Moudiki. Dir. French Sce: J. Atangana. Dir. English Sce: D. Endeley. Dir. Tec: G. Mbape. Dir. of French Prgr's: L. Kabouth. Dir. French N: Miss G. Epee.
STATIONS: mw 1kW, sw 4/30 kW (G.C: 11.32E/03.51N).
1286kHz 233m – 4972.5kHz 60.33m – 6040kHz 49.67m.
HOME SCE: 04.30–06.55 on 1286/4972.5kHz, 07.00–16.55 on 1286/6040kHz, 16.55–23.00 on 1286/4972.5kHz.
D exc. Sat: French 05.00–05.30, 06.00–07.00 (Thurs 07.30), 11.00–13.00, 16.00–17.30, 18.45–22.30. English: 05.30—06.00, 13.00–14.30, 17.30–18.45. Ewondo: 04.30–05.00
Sat: French: 05.00—05.30; 06.00–08.05, 11.00–13.30, 14.45–18.00, 18.45–23.00. English: 05.30–06.00, 08 05–09.00, 13.30–13.45, 18.00–18.45.
ANN: "Ici Yaoundé, Radiodiff. de la République Fédérale du Cameroun, Poste National". E: "This is Yaoundé the Nat. Broadc. System of the Federal Rep. of Cameroon" – INT-SIG: Local music on balafon. V. by QSL-card or letter. Rp. Re. in English, French.

**RADIO DOUALA (Gov.)**
ADDR: B.P. 986, Douala. Cable: Redio Douala. Te: 4575 – L.P: St. Dir: M. Ndongo Onana. Dir. Tec: J. Nkembe, J. Mbiangue. Dir. Prgr; A. Ngangue.
STATIONS: (G.C: 09.41E/04.04N).
1448kHz 207.2m 0.1kW – 6115kHz 49.06m 1kW.
HOME SCE: Mon-Fri: French 05.00 – 05.45, 06.00–07.00, 11.00–13.30, 18.00–18.30, 18.45–22.00 – N. in English: 05.45, 13.30, 18.30. Vernaculars: 17.00–18.00.
Sat: French: 05.00–05.45, 06.00–07.00, 11.00–14.00, 14.15–17.30, 18.45–23.00. N. in English: 05.45, 14.00, 17.30–18.45. Sun: French: 05.00–18.30, 18.45—23.00. N. in English: 18.30.
ANN: F: "Ici Douala, station regionale de la Radiodiff du Cameroun" –INT-SIG: At opening and close down and 11.15 and 17.00: Hymn of Cameroon: "O Cameroun bercau de nos ancetrês" fanfare.




V. by QSL-card or letter. Rp – PUB: Prgr. sched. (weekly).

**RADIO GAROUA (Gov.)**
ADDR: B.P. 103, Garoua. Te: 012 – L.P: Dir: B. Malgana. Dir. Tec: J. Melongo., A. Mva Mva. Dir. Prgr's & N: L. Locca .

**STATIONS:** mw 1kW, sw 4/30kW (G.C: 13.25E/09.18N)
1348kHz 222.0m – 5010kHz 59.88m – 7240kHz 41.44m.
**HOME SCE:** W: 11.15–13.15 (Sat 14.00), 17.00–20.00 20.30–22.00. Sun: 06.45–14.00, 17.00–20.00, 20.30–22.00. **French:** W 11.15–12.00 (Sat 12.30), 17.00–19.30. Sun 06.45–12.30, 17.00–19.30
**Foulfouldé:** 12.15-13.15 (Sat/Sun 12.30-14.00), 19.30-20.00 — **Haussa:** 20.30-22.00.
ANN: "Ici Garoua, Radiodiff. de la République Fédérale du Cameroun" –**INT-SIG:** Flute & Tam-tam – V. by QSL-card. Rp.

**RADIO BUEA (Gov.)**
**ADDR:** Buèa. **Te:** 625 – **L.P:** Dir: C. Ddikintum. Dir of Prgr's and N: M. Noboh. Dir. Tec: A. Ayongo, G. Nitcheu.
**STATIONS** (G.C: 09.14E/04.09N):
3970kHz 75.57m 8kW – 6005kHz 49.96m 4kW.
**HOME SCE** in **English** an **French:** 05.00–00.07.30 on 3970kHz, 11.00–17.00 on 6005kHz, 17.00–22.00 on 3970kHz.
**English** (D exc. Sat): 05.00–05.45 (Sun 06.55), 06.30–07.30 (Mon–Fri), 11.00–11.30 (Sun 08.00–11.45), 12.30–14.30 (Mon-Fri), 16.00–18.30 (Sun 12.45–18.45), 19.45-21.30 (Sun 22.00).
**French:** 05.45–06.30 (Sat 06.00–06.30), 07.00–08.00 (Sun), 11.30–12.30 (Sat 11.45–13.00, Sun 11.45–12.45), 14.30–16.00 (Mon–Fri), 18.30–19.45 (Sat/Sun 18.45–19.45).
ANN: E: "This is R. Buéa of the Federal Republic of Cameroon Broadcasting System transmitting from Buéa" F: "Ici R. Diff. de la République Fédérale du Camerounémettant de Buéa".

## CANARY ISLANDS (Spanish)

L.T: GMT – Pr.L:Spanish

**RADIO NACIONAL DE ESPANA (Centro Emisor de Atlántico)**
**ADDR:** Valentin Sanz 4, Pisos 5° y 6°, Sta. Cruz de Tenerife. **Te:** 244187. **L.P:** Dir:J. de Rojas Mora.
**STATIONS:** mw 100kW, sw 50kW

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 620 | 483.9 | 100 – | 11800 | 25.42 | 50 | 15360 | 19.53 | 50 |

D.Prgr's: On 620kHz: 06.45–01.00. On 90MHz: 13.00–16.00, 18.00–23.00. N: 07.00, 08.00, 09.00, 10.00, 11.00, 13.30,15.00, 16.00, 17.00–18.00, 21.00, 23.00, 24.00.
On 11800/15360kHz: 20.00–04.00 (relay Madrid for Latin America)., ANN: "R. Nacional de Espana en Canaris, Centro Emisor del Atlántico" – **INT-SIG:** Marcha de "La Generala"–V. by QSL-card or letter.

**LA VOZ DE LA ISLA DE LA PALMA**
**ADDR:** Emisora Sindical,Santa Cruz de la Palma. **Te:** 311549. **Cable:** Voz Isla Palma – **LP:** St. Dir: F. Ayudarte. Dir. Prgr's: G. Gómez F. Dir. Tec: A.Herrera P.
**STATION:** 1385kHz 217m 0.5kW–**HOME SCE. in Spanish:** 09.00—23.00. N: 09.10, 12.10, 13.30*, 14.15,21.00* (* = rel. R,N.E.)–ANN: "La Voz de la Isla de la Palma Emisora Sindical, Santa Cruz de la Palma" – **INT-SIG:** "La Orgia Dorada" (Military March) – V. by letter. Recordings accepted.

**RADIO ATLANTICO (Comm.)**
**ADDR:** Ca. General Franco 50, Las Palmas. **Te:** 221083. **Cable:** Radio Atlantico — **L.P:** Dir: J. A. Gutierrez P.
**STATIONS:** 1097kHz 273m 20kW — **FM:** 88.7MHz 1kW.
**HOME SCE: in Spanish:** D 06.55-01.00. **N:** 07.30, 08.00, 08.45, 12.00, 13.30, 14.00, 18.00, 20.00, 21.00, 24.00 (relay R. Nacional exc. 08.45, 14.00). **Prgr. in Swedish/English** (for Tourists): D 08.00, 19.00 (Producer: Xavier Palin) — **ANN:** Sp: "Transmite R. Atlantico, E.C.S. no. 4, Emisora Sindical de las Palmas de Gran Canaria, Islas Canarias" — **INT-SIG:** Canary guitar chords — **V.** by QSL-card or letter. Recordings accepted.

**RADIO LA PALMAS (Comm.)**
**ADDR:** Calle Triana 134, Dpdo, Las Palmas de Gran Canaria. **Te:** 220351. **Cable:** Radio Las Palmas – L.P: Dr. Prgr. J. A. Monzón.
**HOME SCE:** EAJ50 953kHz 314.6m 10kW: 07.00–01.00.
N: 08.00, 08.30, 09.30, 13.30, 14.30, 21.00, 21.15 (local).
ANN: "Transmite EAJ50 R. Las Palmas **INT-SIG:** Pasodoble "Islas Canarias" – V. by QSL-card. Recordings accepted

**RADIO CLUB TENERIFE (Cult.)**
**ADDR:** Suárez Guerra 33, Santa Cruz de Tenerife. **Te:** 243542 – L.P: Pres: F. A. Acuña Dorta. Dir. Tec: P. Padrón Afonso.
**STATION:** EAJ43 1412kHz 212.4m 1kW: 08.00–24.00 – ANN: Sp: "Aqui R. Club Tenerife, emisora EAJ43, en Santa Cruz de Tenerife, Islas Canarias" – **INT-SIG:** 22.00 "Islas Canarias" – V. by letter.

**RADIO JUVENTUD DE CANARIAS (C.A.R)**
**ADDR:** Castillo 27, Santa Cruz de Tenerife. **Te:** 243692.
**STATION:** EFJ57 872kHz 344m 10kW – **HOME SCE:** 07.00–01.00. ANN: "R. Juventud de Canarias" – **INT-SIG:** The first notes from "Tierra Canaria" – V. by letter.

**RADIO POPULAR DE GUIMAR**
**ADDR:** San Pedro Ariba, Guimar (Tenerife).
**STATION:** EAK83 1502kHz 1991.7m 2kW – **HOME SCE:** 08.00–12.00, 13.00–19.00, 20.00–24.00 – ANN: "R. Popular de Güimar, Emisora diocesana, Villa de Güimar, Tenerife.

**LA VOZ DEL VALLE DE LA OROTAVA**
**ADDR:** Plaza del Ayuntamiento, Villa de la Orotava.
**STATION:** ESC25 1480kHz 202.7m 0.4kW – ANN: "La Voz del Valle de la Orotava, Emisores Sindical, la Orotava, Tenerife."

**RADIO ECCA (Cultural)**
**ADDR:** R. Popular de Gran Canaria. Apartado 994. Las Palmas. **Te:** 242241 – **L.P:** Dir. Gen: F. Villén Lucena S.J. Dir. Tec: J. Ruiz A.
**STATION:** EAK92 1268kHz 236.6m 10kW – 94.3MHz.
**HOME SCE. in Spanish:** 13.00–23.20 (Sun 09.00–17.00). ANN: "R. Popular de Gran Canaria de la Cadena de Ondas Populares Españolas, EAK92, Radio ECCA, Emisora Cultural de Canarias" – V. by letter.

## CAPE VERDE ISLANDS (Portuguese)

L.T: GMT – 2h – Pr.L: Portuguese, English

**REPARTICAO PROVINCIAL DOS SERVICOS DOS CORREIOS, TELEGRAFOS E TELEFONES DE CABO VERDE, Praia.**
**L.P:** Dir. de 2a classe dos CTTU: L.M. de Oliveira Santos.

**RADIO CLUBE CABO VERDE (Pr.)**
**ADDR:** C.P. 26 Praia. **Te:** 344. **Cable:** Radio Clube — **L.P:** Pres: M. T. Diaz. Secr: J. M. da Costa Ferreira. Dir. Tec: F. A. da Cunha.
**STATION:** 3883kHz 77.25m 5/0.5kW – **HOME SCE. in Portuguese:** 14.15–16.15 (Sat 15.00—18.00, Sun 12.00–14.00) on 3883kHz (0.5kW), 20.00–22.00 on 3883kHz (5kW) – N: 15.30, 21.30. **Wrp:** 21.30 – ANN: "Aqui Praia Estação de Ondas Curtas do R. Clube de Cabo Verde" – **INT-SIG:** Fiver notes on Marimba – V. by QSL-card.

**R. BARLAVENTO (Gov.)**
**ADDR:** C.P. 29, S. Vicentre – L.P: Dir. Gen: M. C. P. Serra and F. Lopes da Silva. Mgr. A. Rocheteau. Dir. Tec: T. Barrio Vieira.
**STATION:** CR4AC 3910kHz 76.73m 1kW.
**HOME SCE:** W 13.00–14.00, 20.00–22.00, Sun 09.00–11.00, 13.00–15.00, 20.00–22.00 – N: 09.00,22.00.
ANN: "Aqui Portugal, Provincia Ultramarina de Cabo Verde. Falavos de S. Vicente a estação emissora de ondas curtas da Rádio Barlavento, a irradiar na frequência de 3960kHz/seg. bando dos 75m" – **INT-SIG:** Gong and "Forca de cretcheu" (folklore) on guitar – V. by QSL-card. Rp. Recordings accepted – **F.PL:** 100kW tr.

**RADIO CLUBE MINDELO (Pr.)**
**ADDR:** C.P. 101, S. Vicentre. **Te:** 476.
**STATION:** CR4AB 4715kHz (variable) 63.63m 0.25/0.45kW.
**HOME SCR:** W 07.30–08.30 , 19.00–22.00; Sun 09.00–10.00, 12.00–14.00, 19.00–22.00. N: 21.30.
ANN: "Aqui R. Clube Mindelo estação de ondas curtas operando no comprimento de ondas de 63.53m frew. de 4715kHz" – V. by QSL-card or letter.

## CENTRAL AFRICAN REPUBLIC

L.T: GMT + 1h – Pr.L: French, Sango.

**RADIODIFFUSION NATIONALE CENTRE-AFRICAINE**
**ADDR:** P.B. 940, Bangui. **Te:** 2355 – **L.P:** H. Koba. Dir. Tec: M. Mercier. Dir. N: R. Nzengou. Dir. Prgr's: J. Dasilva.
**STATIONS:** (G.C.: 18.35E/04.21N): mw 1kW, sw 30kW.
1570kHz 190m – 5035kHz 59.58m – 9525kHz 31.50m.
**HOME SCE:** W 04.30–07.00, 17.00 (Sat 16.30)–22.00 on 1570/5035kHz, 11.00–13.30 (Sat 12.00–16.30) on 1570/9525 kHz, Sun 05.00–07.00, 16,30–22.00 on 1570/5035kHz, 07.00–16.30 on 1570/9525kHz – N: **French:** 05.45, 08.00 (Sun), 11.45, 13.00, 18.30, 21.30. **English:** 20.30 (Sun 19.30). **Sango:** 05.30, 08.15 (Sun), 12.30, 17.15. **Arabic:** 18.00 (Sun 14.00). **Lingala:** 19.30 (Sun 13.00).
ANN: "Ici Bangui Radiodiff. Nationale Centrafricaine" – **INT-SIG:** First notes of the national anthem played on piano – V. by QSL-card.

## CHAD (Republic of the)

L.T: GMT + 1h – Pr.L: French, Arabic, Sara.

**RADIODIFFUSION NATIONALE TCHADIENNE (Gov.)**
**ADDR:** B.P. 892, Fort Lamy. **Cable:** Radio Tchad. **Te:** 2273 – **L.P:** Dir: M. Toralta. Dir. Tec: I. M. Amane. Dir. Prgrs: A. Folly. Chief Editor: M. Amengual.
**STATIONS** (G.C: 15.03E/12.08N):

| kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|
| 1538 | 195.0 | 1 | 9615 | 31.20 | 30 |
| 4904 | 61.18 | 30 | 11800 | 25.42 | 4 |

**HOME SCE:** W 04.30–06.00 on 1538/4904kHz, 12.00–16.00 on 1538/9615/11800kHz, 16.00–21.30 (Sat. 23.00) on 1538/4904kHz, Sun 04.30–07.00 on 1538/4904kHz, 07.00–16.00 on 1538/9615/11800 kHz, 16.00–21.30 on 1538/4904kHz – N: **French:** 05.50, 12.30, 19.00, 21.15. **Sara:** 05.30, 14.30, 21.25. **Arabic:** 05.40, 17.30, 21.20.
ANN: "Ici Fort Lamy, Radiodiff. Nationale Tchadienne émettant dans les bandes . . ." or "Ici Fort Lamy, Radiodiff. Nationale Tchadienne" – **INT-SIG:** Balafon – V. by QSL-card Rp. Recordings accepted – **F.PL:** Increase of Nat. net. through satellite st's. International net. – **PUB:** Prgr. schedule (weekly).

## COMORES ISLANDS (French)

L.T: GMT + 3h – Pr.L: French, Vernaculars.

**OFFICE DE RADIODIF. TELEVISION FRANCAISE (O.R.T.F.)**
ADDR: B.P. 250, Moroni, Comores. Te: 204 – L.P: St. Mgr: A. X. Sabas. Dir. Tec: J. Carbonnel.
STATIONS: (G.C.: 45.17E/12.45S):
3331kHz 90.06m–7260kHz 41.32m 4kW.
HOME SCE. in French, Comorian: W 03.30–05.00 on 3331kHz, 09.00–11.00 on 7260kHz, 15.30–19.00 on 3331kHz, Sun 05.00—11.15 on 7260kHz, 14.00–19.00 3331kHz.
N: 04.00(W), 05.00 (Sun), 09.30, 17.00 – Comorian: 03.45 (W), 05.15 (Sun), 17.15 – Wrp: 09.30 – T.S: 04.00 (W), 09.30, 17.00 (W) – ANN: "Ici les Comores – Office de Radiodiff. Télévision Française" – INT-SIG: Folklore Music played on native instrument – V. by letter. Rp. Recordings accepted – PUB: Prgr. schedule (monthly).

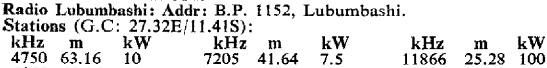
## CONGO (Dem. Rep. of)

L.T: Kinshasa, Mbandaka: GMT + 1h; Lumumbasi, Kisangani; GMT+2h – Pr.L: French, Lingala, Kicongo, Tshiluba, Swahili.

**RADIODIFFUSION-TELEVISION NATIONALE CONGOLAISE (Gov.)**
ADDR: B.P: 3171, Kinshasa. Te: 3171.
STATIONS (G.C: 15.18/04.20S).

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 836 | 358.9 | 1 | 4880 | 61.48 | 10 | 9775 | 30.69 | 10 |
| 1331 | 225.4 | 1 | 7115 | 42.16 | 10 | 11795 | 25.43 | 50 |

HOME SCE. in French, Vernaculars: 04.00–07.00 (Sun 10.00), 10.00–13.00 (Sat/Sun 15.00), 15.00–23.00 on 1331/7115/9775/11795kHz + FM, 04.00–07.30 (Sun 10.00) also on 4880kHz. N in English: 06.15. Reg. Prgr. on 4880kHz: 10.00–13.00 (Sat/Sun 15.00), 15.00–21.00. ANN: "Ici Kinshasa, R. diff. Télévision Nationale Congolaise". Reg. Prge: "Ici Kinshasa, st. interprovinciale de la R. diff. Télévision Nationale Congolaise". INT-SIG: Tam Tam (native xylophone beat).



REGIONAL STATIONS
Radio Lubumbashi: Addr: B.P. 1152, Lubumbashi.
Stations (G.C: 27.32E/11.41S):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 4750 | 63.16 | 10 | 7205 | 41.64 | 7.5 | 11866 | 25.28 | 100 |
| 5958 | 50.36 | 10 | 9540 | 31.45 | 20 | | | |

Home Sce. in French, Swahili Vernaculars: 04.00–07.00 (Sun 10.00), 10.00–12.30 (Sat/Sun 13.00), 14.30–22.00 on 5958/7205/9540kHz.
Foreign Sce: 15.00–21.00 on 11866kHz – French: 15.00–16.00, 17.00–18.00, 20.00–21.00. N: 15.30, 17.30, 20.30 – Swahili: 16.00–17.00. N: 16.30 – Portuguese: 18.00–19.00. N: 18.30 – English: 19.00–20.00. N: 19.30.
Ann: Home Sce: "Ici Lubumbashi, R.diff. Télévision Nat. Congolaise, station interprovincial du Katanga." Foreign Sce: "Ici Lubumbashi, la Voix de la Fraternité Africaine chain mondiale de la R.diff. Télévision Nat. Congolaise". E: "This is the Voice of African Brotherhood". P: "Aqui Lubumbashi, a Voz da Fraternidade Africano".
R. Mbandaka: Addr: B.P. 1061, Mbandaka.
5993kHz 50.05m 10kW: 05.00–07.30, 10.00–13.00, 15.30–21.00.
R. Bukavu: Addr: B.P.475, Bukavu.
4889kHz 61.04m 10kW: 04.00–06.30, 10.30–13.00, 14.30–21.00.
R. Kasai: Addr: B.P. 708, Luluabourg.
Station: 6125kHz 48.98m 10kW: 04.00–06.30, 10.00–13.00, 15.00–20.00.
R. Kisangani: Addr: B.P. 1745, Kisangani.
6085kHz 49.30m 10kW: 04.00–06.30, 10.00–13.30, 15.00–20.00.
R. Mbuji-Mayi: Addr: B.P. 2132, Mbuni-Mayi
7295kHz 41.12m 20kW; 10.00–13.00,15.30—20.00.

Note: Operation of all priv. st's has been suspended by the Government since the end of April 1967.

## CONGO (Rep.)

L.T: GMT+1h – Pr.L: French, English, Portuguese.

**RADIO BRAZZAVILLE (O.R.T.F.)**
ADDR: B.P. 108, Brazzaville. Te: 2234. Cable: Radiodiffusion. L.P: St. Mgr: Jean Delannoy. Dir. Tec: P. Simon.
STATIONS (G.C: 15.18E/04.15S):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 3232 | 92.82 | 1.5 | 11710 | 25.62 | 50 | 15190 | 19.75 | 50 |
| 4795 | 62.57 | 4 | 11725 | 25.58 | 50 | 15445 | 19.43 | 50 |
| 5970 | 50.25 | 4 | 11930 | 25.15 | 50 | 17720 | 16.93 | 50 |
| 7105 | 42.22 | 4 | 11097 | 25.06 | 4 | 21500 | 13.95 | 250 |
| 9730 | 30.83 | 15 | | | | | | |

INTERNATIONAL SERVICE:

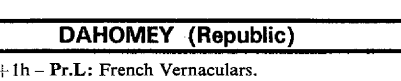
| Times | Areas | kHz | kHz | N: |
|---|---|---|---|---|
| 05.00–07.30 | I+II | 3232/4795/5970 | | F: 05.00, 06.00, 07.00 |
| | | 9730/11725/15445 | | E: 05.15, 06.15 |
| 11.00–12.00 | I | 11970/15445 | | E: 11.00, P: 11.45 |
| 11.00–12.55 | I+II | 3232/7105/11710 | | F: 11.30, 12.30 |
| | | 15190/21500* | | |
| 13.00–14.00 | III | 17720/21500 | | E: 13.00, F: 13.30 |
| 14.00–17.00** | I | 3232/7105/11710 | | "Sport & Music" |
| | | 17720/21500 | | |
| 17.30–21.00 | I+II | 3232/5970/7105/9730 | | F: 17.30 19.00, 20.30 |
| | | 11930/15190 | | P: 18.45, E: 19.15 |

ANN: F: "Office de Radiodiff. Télévision Française émettant de Brazzaville". E: "This is the O.R.T.F. speaking to you from Brazzaville". P: "Aqui Brazzaville, Servicio do Radiodiffusion Television Francesa".
INT-SIG: Five different notes played on a native instrument (Kizanzi) consisting of several vibrating iron bars attached to a wodden box – V. by QSL-card or letter. RP – PUB: Prgr. sched. free.

**RADIODIFFUSION TELEVISION CONGOLAISE (Gov.)**
ADDR: B.P. 2241, Brazzaville. Te: 4334. Cable: Radio Congo. – L.P: Dir: C. E. Ndalla. Dir. Tec: A. Ondongo. Dir. Prgr: G. Menga. Dir. Adm: P. Ameye—Nguya.
STATIONS (G.C: 15.18E/04.15S):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 1484 | 202.2 | 4 | 4843 | 61.95 | 25 | 9610 | 31.22 | 50 |
| 3264 | 91.90 | 4 | 6115 | 49.06 | 50 | 9715 | 30.66 | 50 |
| 4765 | 62.96 | 50 | 7175 | 41 81 | 25 | | | |

HOME SCE in French, Lingala, Munukutuba: W 04.30–06.30 on 1484/3264/4843kHz, 11.00–13.00 on 1484/7175kHz, 15.30–21.00 (Sat 22.00) on 1484/3264/4843kHz, Sun 04.30–07.00 on 1484/3264/4843kHz, 07.00–17.00 on 1484/7175kHz, 17.00–21.00 on 1484/3264/4843kHz.On 9715kHz: D 17.00–19.00. N. French: 04.45, 05.30, 09.15 (Sun), 12.00, 17,00 (W), 17.15 (Sun), 18.30, 20.45. N. in Lingala/Kikongo: 11.15, 17.15 (W), 17.30 (Sun), 17.45 (Sun) – ANN: "Ici la voix de la Révolution Congolaise, Station Nationale de Radiodiffusion Télévision" – V. by QSL-card. Rp. Recordings accepted – INT-SIG: Zani solo (native instrument).



## DAHOMEY (Republic)

L.T: GMT+1h – Pr.L: French Vernaculars.

**RADIODIFFUSION DU DAHOMEY (Gov.)**
ADDR: B.P. 366, Cotonou. Cable: Radiodahomey. Te: 2040.
L.P: Dir. Gen: N. Sossouvi-Mensah. Dir. Tec: S. Ahoyo. Dir. Prgrs: I. Zounon. Dir. N. Sce: J. Hounza.
STATIONS (G.C: 02.35E/06.21N): * Parakou.

| | | | | | |
|---|---|---|---|---|---|
| 1475kHz | 203.4m | 1kW | – | 3270kHz | 91.74m 4kW |
| *1598kHz | 188.0m | 0.1kW | – | 4870kHz | 61.60m 30kW |

HOME SCE. in Franch, Fon, Mina, Yoruba, Bariba, Dendi, Peuhl: Mon-Fri 05.30–07.00, 11.30–13.00 (Thurs, Fri 13.15), 16.30–22.00; Sat 05.30–07.00, 12.00–23.00; Sun 07.00–22.00 NEWS: French: W 05.30, 06.15, 12.00 (Sat 12.40), 12.55, 13.10, (Thurs, Fri), 15.00 (Sat), 16.45, 19.00, 21.15. Sun 08.00, 11.40, 14.00, 17.00, 19.00 – Vernaculars: 12.00–12.20 (Sun), 12.15–12.25 (W), 13.10–13.20 (Sat), 16.50–18.05, 17.30–18.20 (Sun) – English: 19.20 (Mon/Wed/Sat) – LL (English): W 06.00–06.15 – Educational Prgrs: 18.10 (Wed), 18.25 (Wed), 19.40 (Wed), 19.30 (Sun.)
ANN: French: "Ici Cotonou, Radiodiff. du Dahomey émettant sur...
INT-SIG: Dahomey Tam-Tam – V. by QSL-card. Rp. Recordings accepted – PUB: Prgr. schedule (weekly) – ALF: CFA 500,-

## EGYPT (United Arab Rep.)

L.T: GMT+2h (Su 1/5 – 30/9 GMT+3 h) – Pr.L: Arabic

**U.A.R. BROADCASTING & TV CORPORATION (Gov.)**
ADDR: Prgr. Authority: P.O. Box 1186, Cairo. Cable: Kahiradio. Engineering Authority: P.O. Box 1186, Cairo. Cable: Cibrotev.
L.P: Prgr. Authorities: Chmn: A. H. El Hadidi. Gen. Contr. of Research and Intern. Rel: H. Shaaban. Dir. Local Prgr's: M. M. Shaaban. Dir. of Adm: A. W. Hamdi. Eng. Authorities: Pres. Eng. Authority: A. Zayan. Dir. Tec: A. Kandeel.
STATIONS: Medium Waves * 150/300/450kW.

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Cairo III | 557 | 538.6 | 50 | Cairo II | 980 | 306.1 | 5 |
| Beni Suef I | 602 | 498.4 | 50 | Minia I | 1079 | 278.0 | 5 |
| Batra I | 620 | 483.9 | * | Luxor I | 1079 | 278.0 | 5 |
| Asyut II | 710 | 422.0 | 100 | Sohag I | 1142 | 262.2 | 5 |
| Cairo I | 773 | 388.1 | 500 | Assuan I | 1178 | 254.7 | 10 |
| Batra II | 818 | 366.7 | * | Quena | 1178 | 234.7 | 10 |
| Cairo V | 872 | 344.0 | 50 | Alexandria I | 1277 | 254.9 | 10 |
| Cairo IV | 926 | 324.0 | 10 | Assuan II | 1277 | 234.9 | 10 |

**Short Waves:** 50/70/90/100kW

| kHz | m | kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|---|---|
| 6145 | 48.82 | 9595 | 31.37 | 11710 | 25.61 | 15055 | 19.93 | 17710 | 16.94 |
| 7050 | 42.55 | 9605 | 31.23 | 11745 | 25.54 | 15090 | 19.88 | 17725 | 16.93 |
| 7075 | 42.40 | 9615 | 31.20 | 11765 | 25.50 | 15115 | 19.85 | 17760 | 16.89 |
| 7095 | 42.28 | 9640 | 31.12 | 11805 | 25.41 | 15135 | 19.82 | 17785 | 16.87 |
| 7215 | 41.58 | 9685 | 30.98 | 11825 | 25.37 | 15175 | 19.77 | 17805 | 16.85 |
| 7265 | 41.29 | 9710 | 30.90 | 11855 | 25.31 | 15210 | 19.72 | 17865 | 16.79 |
| 9450 | 31.79 | 9755 | 30.76 | 11875 | 25.26 | 15260 | 19.66 | 17905 | 16.76 |
| 9475 | 31.66 | 9790 | 30.64 | 11915 | 25.18 | 15360 | 19.53 | 17920 | 16.74 |
| 9495 | 31.60 | 9815 | 30.57 | 11940 | 25.13 | 15415 | 19.46 | 17930 | 16.73 |
| 9515 | 31.53 | 11655 | 25.74 | 11965 | 25.07 | 15475 | 19.39 | 21585 | 13.90 |
| 9550 | 31.41 | 11685 | 25.67 | 11980 | 25.04 | 17655 | 16.99 | 21615 | 13.88 |
| 9585 | 31.30 | 11695 | 25.65 | 12005 | 24.99 | 17690 | 16.96 | | |

### HOME SERVICE

**MAIN ARABIC PRGR:** *= Fri.
04.00–06.00 on 818/980/1079/1142/1178/1277/7075/9450kHz.
06.00–08.00 on 818/980/1079/1142/1178/1277/11980/15475/17655kHz.
08.00–09.15 on 818/980/1079*/1142/1178*/1277/11980/15475/17655kHz.
09.15–11.00 on 818/872/980/1079*/1142/1178*/1277/11980/15475/17655kHz.
11.00–13.00 on 818/980/1079/1142/1178/1277/15475/17655/17905kHz.
13.00–16.55 on 818/980/1079/1142/1178/1277/15175/15475/17905kHz.
16.55–17.00 on 818/980/1079/1142/1178/1277kHz.
17.00–23.55 on 818/980/1079/1142/1178/1277/9495/11875/11965kHz.
**Note:** 7075/11875/15475kHz beamed to Mid.East, No. & Ce. Africa, Europe; 9450/9495/15175/17655kHz beamed to Arabian Gulf & So. Asia; 11965/11980/17905kHz beamed to No. Africa & Europe.
**N:** 05.00, 12.30, 15.00, 18.30, 21.00, 23.30, – **Comm:** 12.45, 15.30, 18.45. **T.S:** Cairo University Clock at the beginning of the main news bulletins.

**VOICE OF ARABS:**
03.00–05.55 on 620/7095/11765kHz; 05.55–06.00 on 620kHz; 06.00–08.00 on 620/9475/11685/15415kHz; 08.00—09.00 on 710/9475/11685/15415kHz; 09.00–10.00 on 710/11655/15055/15090kHz; 10.00—11.00 on 620/710/11655/15055/15090kHz; 11.00–15.00 on 620/11655/15055/15090kHz; 18.25-23.30 on 620/7050/11655/15090kHz.
**Note:** 7050/7095/9475/15055kHz beamed to Mid. East, No. Africa, Ce. Africa & Europe; 11765/15090/15415kHz beamed to Ea. Africa, Yemen, Saudi Arabia; 11655/11685kHz beamed to No. Africa, Europe. **N. Comm:** 03.30, 04.00, 04.30, 11.30, 15.00, 16.00, 17.00, 18.00, 20.30, 23.00, 00.30 — **Palestine Prgr:** 06.00-08.00, 14.00-15.00.

**SOUDANESE PRGR:** 04.00-06.00 on 710/11915kHz, 12.00-16.25 on 872/9475/11915kHz — **N. & Commentary:** 05.20, 13.30, 15.30, 16.30.
**SECOND PRGR. (Cultural):** 19.30-23.00 on 872kHz.
**POPULAR CULTURAL PRGR:** 14.00-22.55 on 710kHz — **N:** 14.30, 16.30, 22.30.
**ALEXANDRIA REG. PRGR:** 15.00–22.00 on 1196kHz – **N:** D 17.30, 19.30.

**FOREIGN LANGUAGE PRGR. (Local Service)** on 557kHz.
05.00–08.30, 08.30–10.30 (Fri & Sun only), 10.30–14.00, 16.30–22.00 – **N. Comm: English:** 05.30 – **French:** 06.00, 12.00, 19.00 – **German:** 05.45 – **Greek:** 05.00, 13.00 – **Italian:** 05.15, 12.30, 18.00.

**KORAAN PRGR:** 04.00–09.00 & 12.00–21.00 on 1155/9585kHz.
**MIDDLE EAST COMM. PRGR:** 04.00–06.05 on 872kHz, 12.00–16.25 on 773kHz, 16.30–19.30 on 872kHz, 19.30–22.20 on 773kHz – **N. Comm:** 05.00, 13.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00, 21.00, 22.00.

### FOREIGN SERVICE

**TO SO. EA. ASIA:** 11.45–13.45 on 17920kHz (Arabic); 11.45–15.00 on 21615kHz (Indonesian 11.45, Malay 13.00, Thai 14.00)
**TO SO. ASIA:** 12.15–17.00 on 17690kHz (Bengali 12.15, Hindi 14.45. **English:** 13.15, (Urdu 15.45).
**TO EA. AFRICA:** 16.30–17.30 Amharic on 9575/11915kHz, 15.15–17.15; Swahili on 17655kHz, 15.30–16.00 Dankaly on 15055kHz, 17.15–19.00 on 17655kHz (Somali 17.15, Arabic 18.15).
**TO CE. AFRICA:** 17.15–18.00 **English** on 17785kHz; 17.15–19.00 on 21585kHz (Shona 17.15, Sindebele 18.00, Nyanja 18.30); 19.00–19.45 Lingala on 17655kHz.
**TO SO. AFRICA:** 16.15–17.15 on 17785kHz (Sesotho 16.15, Zulu 16.45).
**TO WE. AFRICA:** 18.00–19.00 Portuguese on 17785kHz; 19.00–19.45 Yoruba on 17920kHz; 19.15–20.10 Foulani on 17785kHz; 19.15–20.45 Hausa on 15135kHz; 19.45–20.30 Ibo on 17920kHz; 20.15–21.45 **English** on 17785kHz; 20.30–22.00 French on 17690/17920kHz; 20.45–21.45 Arabic on 15135kHz.
**TO MIDDLE EAST:** 13.45—17.45 on 17920kHz (Pushtu 13.45, Persian 14.45, Kurdish 16.45); 18.00–19.00 on 6145kHz (Turkish).
**TO EUROPE:** 17.45–23.15 on 9475/12005kHz (Arabic 17.45, Italian 18.30, French 19.30, German 20.30, English 21.45).
**TO SO. AMERICA:** 23.00–02.00 on 17760kHz (Arabic 23.00, Portuguese 00.00, Spanish 01.00).
**TO NO. AMERICA:** 01.00–04 30 on 9475kHz (Spanish 01.00 **English** 02. 00, Arabic 03. 30),

**ANN:** "Idha'at el Gumhuriya il Arabiya el Mutahada min el Kahuira (Main Arabic Prgr), "Sowt el Arab" (Voice of the Arabs) "Idha' at Falastin min il Kahira" (Palestine Broadc. from Cairo). "Ruk'n e-Sudan" (Sudan Prgr). "Idha' at el Kur'an" (Koran Broadc.) "Idha' at e-Shark el Awsat min el Kahira" (Middle East Prgr). Foreign Sce: E: "This is Cairo Calling" or "This is the Voice of Africa from Cairo" F: "Ici Le Caire". G: "Hier ist Radio Kairo".

**INT-SIG:** Camel Bells – V. Re. wanted. They are answered by QSL-card. Reports should be addressed to Propagation & Monitoring Dept, U.A.R. Broadcasting and TV, P.O. Box 1186, Cairo – **PUB:** Prgr. schedules four times per year. Weekly and quarterly magazines in Arabic – **FI:** by state subsidy, adv. Electric current taxes – **AD:** allowed in popular cultural prgr, Alexandria local prgr. & Middle East prgr.

## ETHIOPIA

**L.T:** GMT+3 h – **Pr.L:** Amharic, Arabic, English, Somali.

### RADIO ETHIOPIA (Gov.)

**ADDR:** R. Division, Ministry of Information, P.O. Box 1364, Addis Ababa. Te: 15933. **Cable:** Ethiopress – **L.P:** Dir. Gen: N. Haptewold.
**STATIONS** (G.C: 28.43E/08.58N):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 840** | 357.1 | 100 | 5056 | 50.33 | 10 | 7290 | 41.15 | 10 |
| 870 | 345.0 | 100 | 6185 | 48.50 | 100 | 9610 | 31.22 | 10 |
| 940* | 319.1 | 50 | | | | | | |

*=Asmara. **=Harrar. Others Addis Ababa.

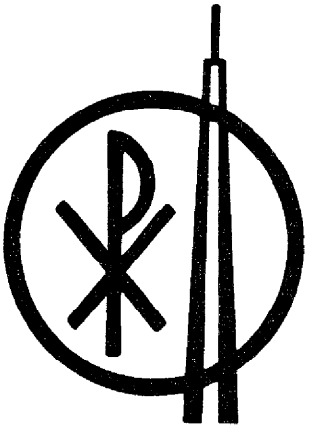
**HOME SCE:** Amharic: 04.30–05.30 on 840/870/940/6185/7290kHz, 11.00–12.00 as 04.30 plus 9610kHz, 16.30–17.00 on 840/6185kHz, 17.00–20.00 on 840/870/940/6185kHz – **Arabic:** 15.00–16.00 on 6185/7290kHz – **English:** 10.15–11.00 on 6185/9610kHz, 16.00–17.00 on 7290kHz – **French:** 16.00–16.30 on 6185kHz – **Somali:** 03.45–04.30 on 840/870/6185/7265kHz, 12.00–13.00 on 840/870/6185kHz, 16.00–16.30 on 840/6185kHz – **ANN:** E: "This is the Internal Service of R. Ethiopia". F: "Ici R. Ethiopie". Amharic: "Yih ye Ethiopia R. New". Somali: "Halkani wa R. Ethiopia". Arabic: "Huna saut Ethiopia" – V. by QSL-card. Re. in E, F or Amharic – **PUB:** Ethiopian Broadc. Sce's Prgr. schedule (twice a year) – **AD:** After N in all Languages.

### RADIO VOICE OF THE GOSPEL — LUTHERAN WORLD FEDERATION BROADCASTING SERVICE (Educ, Rlg.)

**ADDR:** P O Box 654, Addis Ababa. **Cable:** Lutherworld. Te: PBX 48190 – **L.P:** Dir. Gen: Sigurd Aske. St. Dir: P. M. Volz. Asst. St. Dir. E. Bauerochse. Dir. Prgr's: J. E. Ofstad. Acting Tec. Dir. A. K. Gobena. Chmn of the Board: Dr. Franklin Clark Fry.
**STATIONS** (G.C: 38.38E/08.47N): 2 × 100kW tr's:

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 6065 | 49.46 | 9705 | 30.91 | 11890 | 25.23 | 15230 | 19.70 |
| 6145 | 48.82 | 11710 | 25.62 | 11925 | 25.16 | 15250 | 19.67 |
| 6170 | 48.62 | 11725 | 25.59 | 11935 | 25.14 | 15315 | 19.59 |
| 7125 | 42.11 | 11730 | 25.58 | 11940 | 25.13 | 15370 | 19.52 |
| 7245 | 41.41 | 11770 | 25.49 | 15135 | 19.82 | 15400 | 19.48 |
| 9560 | 31.38 | 11775 | 25.48 | 15150 | 19.80 | 15410 | 19.47 |
| 9570 | 31.35 | 11805 | 25.41 | 15155 | 19.80 | 15430 | 19.44 |
| 9620 | 31.19 | 11825 | 25.37 | 15180 | 19.76 | 15435 | 19.44 |
| 9660 | 31.06 | 11865 | 25.28 | 15205 | 19.73 | | |

W. St. Franken, Holland




# RADIO VOICE OF THE GOSPEL

**The Lutheran World Federation Broadcasting Service**

daily broadcasts in—

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beamed to—

India
Ceylon
Middle East
Africa and
Madagascar

**Write to:**
**Station ETLF**
**Box 654**
**Addis Ababa, Ethiopia**


I=Ea. Africa; II=Madagascar; III=So. Africa; IV=We. Arab countries; V=Congo; VI=We. Africa; VII=Ceylon; VIII=India; IX=Ea. Arab countries; X=Iran; XI=Ethiopia; XII=No. America; XIII=So. America.

**Schedule:** Nov. 67 - Feb. 68.

| Times | Main kHz | Altern. kHz | Areas | Language |
|---|---|---|---|---|
| 03.30–04.25 | 9620 | 9660 | I | Swahili, **English** |
| 03.30–04.25 | 11770 | 11730 | II | Malagasy, French |
| 04.30–04.55 | 11890 | 11920 | III | **English** |
| 04.30–05.55 | 11890 | 11925 | IV | Arabic |
| 05.00–05.25 | 15400 | 15150 | V | French |
| 05.30–05.55 | 11775 | 11805 | VI | **English** |
| 13.00–13.25 | 15400 | 15430 | VII | Sinhalese |
| 13.30–14.25 | 15400 | 15430 | | **English**, Tamil |
| 13.30–14.28 | 15315 | 15155 | VIII | **English**, Telugu |
| 14.30–15.10 | 15315 | 15155 | | Hindi |
| 14.30–15.55 | 15400 | 15370 | IX | Arabic |
| 15.15–15.55 | 15315 | 15250 | II | Malagasy |
| 16.00–16.55 | 15400 | 15370 | X | Farsi |
| 16.00–17.10 | 6145 | 6065 | XI | **Amharic, English** |
| 17.00–17.55 | 9560 | 9705 | I | **English**, Swahili |
| 17.15–19.45 | 15315 | 15180 | VI | * |
| 18.00–19.00 | 9705 | 9570 | III | ** |
| 19.15–19.45 | 11825 | 11770 | VI | French |
| 23.30–23.25 | 15315 | 15230 | XII | **English** |
| 23.30–23.40 | 11940 | 11770 | XIII | Spanish, **English** |
| **Schedule:** March-April 1968 | | | | |
| 03.30–04.25 | 7245 | 7125 | I | Swahili, **English** |
| 03.30–04.25 | 11805 | 11730 | II | Malagasy, French |
| 04.30–04.55 | 11890 | 11925 | III | **English** |
| 04.30–05.55 | 11710 | 11725 | IV | Arabic |
| 05.00–05.25 | 15250 | 15135 | V | French |
| 05.30–05.55 | 11775 | 11805 | VI | **English** |
| 13.00–13.25 | 15400 | 15430 | VII | Sinhalese |
| 13.30–14.25 | 15400 | 15430 | | **English**, Tamil |
| 13.30–14.28 | 15315 | 15155 | VIII | **English**, Telugu |
| 14.30–15.10 | 15315 | 15155 | | Hindi |
| 14.30–15.55 | 15400 | 15435 | IX | Arabic |
| 15.15–15.55 | 15155 | 15205 | II | Malagasy |
| 16.00–16.25 | 15400 | 15435 | X | Farsi |
| 16.30–16.55 | 11935 | 11865 | X | Farsi |
| 16.00–17.10 | 6065 | 6170 | XI | Amharic, **English** |
| 17.00–17.55 | 9560 | 9570 | I | **English**, Swahili |
| 17.15–19.45 | 15410 | 15325 | VI | * |
| 18.00–19.00 | 9705 | 9570 | III | ** |

*) French, Gulam, Hausa, **English** – **) **English**, Zulu, Sotho, Afrikaans, Ovambo, Herero, Nama.
**N: English:** 05.30, 13.30, 16.55, 17.00, 18.00, 19.00. **French:** 04.15, 05.00, 17.15, 19.15. **Amharic:** 16.00. **Hindi:** 14.30. **Swahili:** 17.30.
**Medium Wave Sce.** (for Addis Ababa): 15.00 - 20.15 on 989kHz 1kW.
**N: English:** 15.45, 17.30, 19.00. **French:** 17.15. **Amharic:** 16.00, 18.30.
**ANN:** "This is R. Voice of the Gospel, ETLF, Addis Ababa, Ethiopia" – **INT-SIG:** First four notes of "A Mighty Fortress" on drums – V. by QSL-card. Recordings accepted.

## GABON (Republic)

**L.T:** GMT+1h – **Pr.L:** French.
**RADIODIFFUSION TELEVISION GABONAISE (Gov.)**
**ADDR:** B.P. 150, Libreville. **Te:** 3325. **Cable:** Radiotélégabon.
**L.P:** Dir: P. Okumba. Dep. Dir: J. Nzendong. Dir. of Scund Broadc: A. Yangari. Dir. TV Sce: J. Adiahenot.
**NATIONAL STATION** (Libreville) (G.C: 09.28E/00.25N):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 1313 | 228.5 | 1 | 3300 | 90.91 | 4 | 9690 | 30.96 | 30 |
| 1520 | 197.3 | 1 | 4777 | 62.8 | 30 | | | |

**HOME SCE. in French: Nat. Netw:** W 05.00–06.30 on 1520/3300/4777kHz, 10.30–13.30 (Sat 16.30) on 1520/9690kHz, 17.30 (Sat 16.30) – 21.30 (Sat 23.00) on 1520/4777kHz (and 3300 or 9690kHz); Sun 07.00–16.30 on 1520/9690kHz, 16.30-21.30 on 1520/4777kHz (and 3300/or 9690kHz) – N: 05.45 (W), 10.30, 11.45, 13.25, 18.30, 20.55.
**Reg. Netw:** D 19.00-20.30 on 1313kHz – **ANN:** "Ici Libreville, Radiodiff. Télévision Gabonaise, Chaine Nationale/Régionale" – V. by QSL-card/letter.
**REG. STATIONS:**
**R. Franceville**, B.P. 36, Franceville – **Stations** (G.C: 13.33E/01.36S) 1250kHz 240m 0.1kW – 3350kHz 89.55m 4kW – 6030kHz 49.75m 4kW: Rel. Libreville + local prgrs.
**R. d'Oyem,** B.P. 173, Oyem – **Station:** (G.C: 11.36E/01.40N): 1205kHz 249m 1kW: Rel. Libreville+local prgrs.
**Ann:** "Ici Franceville/Ovem, station régionale de la Radiodiff-Télévision Gabonaise" – **PUB:** Prgr. schedule (weekly).

## GAMBIA (British)

**L.T:** GMT – **Pr.L:** English, Mandinka, Wolloff, Vernaculars.
**RADIO GAMBIA (Gov.)**
**ADDR:** Bathurst. **Te:** 693. **Cable:** Broadcasts–**L.P:** Broadc. Officer: A. M. Lowe, M.B.E. Dir. Tec. & Telecom. Mgr: P. J. Warren.

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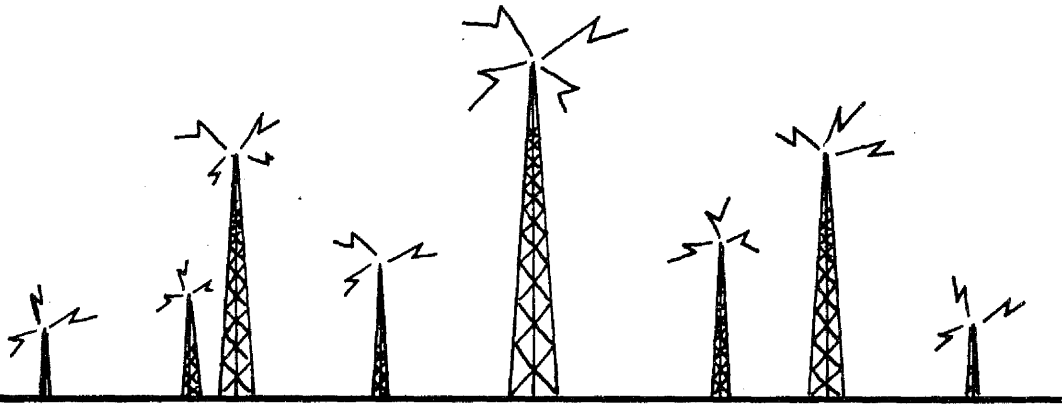

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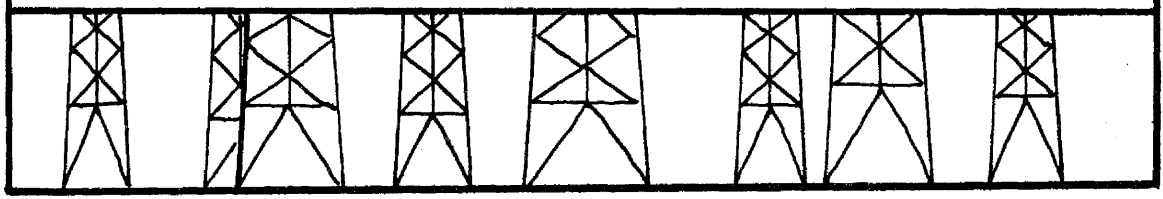



STATION: 4820kHz 62.24m 3.1kW.
HOME SCE. in English, Wolloff Mandinka: Mon-Fri 17.10-20.30. N in English: 18.00 (BBC), 18.09 (local), 20.00 (BBC). N. in Wolloff: 18.17. N. in Mandinia: 1827 – ANN: E: "This is R. Gambia broadc from Bathurst on a freq. of 4820kHz in the 60 m.b." – INT-SIG: Music played on the cora, an indigenous harp-like instrument – V. by letter. Re. in E, F or Arabic. Recordings accepted

## GHANA

L. T: GMT – Pr.L: Akan, Ewe, Dagbani, Ga, Hausa, Nzema.

**GHANA BROADCASTING CORPORATION (Gov. Comm.)**
ADDR: Broadcasting House, P.O. Box 1633, Accra. Cable: Broadcasts. Te: 77551 – L.P: Dir. Gen; W. F. Coleman, B.Sc., F.I.F.E.,

M.B.E. Dep. Dir. Gen: E. Adjorlolo, B.A., M.Sc. Dir. of Eng: J. K. Asare, B.Sc., M.I.E.E. Ag. Dir. of Sound Broadc: E. K. Senaya.
STATIONS:

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 3350 | 89.56 | 6070 | 49.42 | 11800 | 25.42 | 17910 | 16.75 |
| 3366 | 89.13 | 6130 | 48.94 | 11850 | 25.32 | 21545 | 13.92 |
| 4915 | 61.03 | 9545 | 31.43 | 15285 | 19.63 | 21720 | 13.81 |
| 4980 | 60.25 | 9760 | 30.74 | | | | |

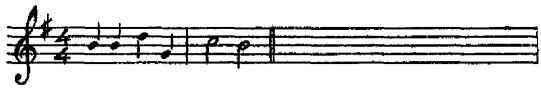
NATIONAL SCE: 1×20kW tr, 2×10kW tr's at Accra (G.C: 00.10E/05.31N): 6×10kW tr's at Ejura (G.C: 00.00E/05.33N): 05.30–09.00 on 3350/3366/4915/4980kHz, 09.00–16.00 on 4915/ 4980kHz, 16.00–23.00 on 3350/3366/4915/4980kHz.
N: English: 06.00, 07.00, 13.00, 14.00, 18.00, 20,00 21.00, 22.30 Ghana languages: 06.30, 18.30, 19.30.

EXTERNAL SCE: 4× 100kW tr's at Tema (G.C: 00.01E/05.42N), 2×250kW tr's at Ejura (G.C: 00.00E/05.33N).
Areas: I=No. Am; II=Caribbean; III=So. Af; IV=Ce. Af; V=Australasia; VI=Ethiopia/Somalia/Sudan/India/Pakistan; VII=Japan/China; VIII=F. East; IX=We. Af; X=Europe; XI=Ea. Af; XII=Congo/ Malagasy; XIII=Angola/Mozambique; XV=M. East/Sudan/U.A.R.; XVI=No. Af.

| Arabic | kHz | Beams | Area |
|---|---|---|---|
| 16.00–16.45 | 21545 | (45°) | XV |
| 20.00–20.45 | 9545 | (10°) | XVI |
| **Bambara** | | | |
| 16.45–17.30 | 6070 | (nd) | IX |
| **English** | | | |
| 13.30–14.30 | 17910 | (91°) | VIII |
| | | | XI |
| 14.00–22.15 | 6130 | (nd) | IX |
| 15.00–15.45 | 17910 | (133°) | V |
| | 21545 | (130°) | V |
| | 21720 | (91°) | XI |
| 16.45–17.30 | 15285 | (91°) | XI |
| 18.15–19.00 | 15285 | (91°) | VIII |
| | | | XI |
| 20.00–21.00 | 9760 | (313°) | II |
| | 11850 | (313°) | II |
| 20.45–22.15 | 9545 | (10°) | X |

| French | kHz | Beams | Area |
|---|---|---|---|
| 17.30–18.15 | 11800 | (91°) | XII |
| | 6070 | (nd) | IX |
| 19.00–19.45 | 11800 | (91°) | XII |
| | 9545 | (nd) | X |
| 19.00–22.15 | 6070 | (nd) | IX |
| **Hausa** | | | |
| 15.00–16.30 | 6070 | (nd) | IX |
| 18.15–19.00 | 6070 | (nd) | IX |
| **Portuguese** | | | |
| 14.00–14.45 | 21545 | (130°) | XIII |
| 17.00–17.45 | 21545 | (130°) | XIII |
| **Swahili** | | | |
| 13.30–14.30 | 21720 | (91°) | XI |
| 15.45–16.45 | 21720 | (91°) | XI |
| 17.30–18.15 | 15285 | (91°) | XI |

NEWS: English: 13.30, 14.00, 15.00, 16.00, 16.45, 17.00, 18.00, 18.15, 20.00, 20.45, 21 00, 22.00 – French: 17.30, 19.00, 20.00 21.00 – Portuguese: 14.00, 17.00 – Hausa: 15.00, 16,00, 18.15, , – Arabic: 16.00, 20.00 – Swahili: 13.30, 15.45, 17.30 – ANN: "This is the Nat. Sce. of the Ghana Broadc. Corpo." preceded by drumming or "This is R. Ghana" – INT-SIG: Guitar: First bars of National Anthem.



V. by QSL-card and letter. Re. on technical matters to Propagation Eng. on prgr's to Head or External Sce. Recordings accepted — PUB: "The Broadcaster" (monthly), "Radio Review & TV Times" (weekly), External Service schedule.

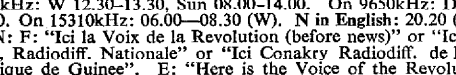
## GUINEA (Republic)

L.T: GMT – Pr.L: French, Vernaculars.

**RADIODIFFUSION NATIONALE (Gov.)**
ADDR: B.P. 617, Conakry. Cable: Radio Guinée. Te: 3366.
STATIONS (G.C. 13.40W/09.32N):

| kHz | m | kW | kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1403 | 213.8 | 4 | 3385 | 88.63 | 50 | 6155 | 48.74 | 18 | 9650 | 31.09 | 50 |
| 3376 | 88.89 | 50 | 4920 | 60.98 | 18 | 7125 | 42.11 | 18 | 1196 | 25.07 | 50 |
| 15310 | 19.60 | 50 | | | | | | | | | |

HOME SCE. in French, National Languages, English, Creole-English, Arabic, Portuguese, Creole-Portuguese, Ouolof, Bambara, Mandjake: W 06.00–8.00, 12.30—13.30, 16.00–24.00, Sun 08.00–14.00, 16.00–24.00.
On 1403/4920kHz: as above. On 3385kHz: 16.00–24.00. On 6155kHz: W 12.30–13.30, Sun 08.00–14.00. On 9650kHz: D 1600–24.00. On 15310kHz: 06.00—08.30 (W). N in English: 20.20 (irr.)
ANN: F: "Ici la Voix de la Revolution (before news)" or "Ici Conakry, Radiodiff. Nationale" or "Ici Conakry Radiodiff. de la République de Guinee". E: "Here is the Voice of the Revolution". INT-SIG: First movement of the popular heroic song "Alpha Yaya" (first movement of Guinean National Anthem) on Guitar:



V. by letter.

## GUINEA (Portuguese)

L.T: GMT+1h – Pr.L: Portuguese.

**EMISSORA PROVINCIAL DA GUINE (Gov.)**
ADDR: Av. da República, Bissau – L.P: Pres: A. Henrique Salgado.
STATIONS (G.C: 15.35W/11.51N):
1050kHz 285.0m 1kW – 5041kHz 59.50m 10kW.
HOME SCE: 12.00 (Sun 10.00)–15.00, 18.00–24.00. N: 14.00, 20.00, 21.30, 23.45 – ANN: "Fala Portugal através da Emissora provincial da Guiné Portuguesa, a transmitir em ondas medias, no comprimento de 285m freq. de 1050kHz, e em ondas curtas, em 60m, freq. de 5041 kHz" – INT-SIG: Guitar – V. by QSL-card or letter. Recordings accepted. ALF: Esc. 100.

## GUINEA (Spanish)

L.T: GMT+1h – Pr.L: Spanish

**EMISORA DE RADIODIFUSION SANTA ISABEL (Gov.)**
ADDR: Apt. 195, Santa Isabel, Fernando Póo. Te: 382. L.P: Dir. Gen: L. Jiménez Marhuenda.
STATION: 6250kHz 48.00m 10kW – HOME SCE in Spanish, Fang, Pamue, Bubi, Annobonés, Combe and English: 07.00–23.00 – Spanish: 07.00–15.30, 19.45–23.00; Fang/Pamue: 15.30–17.00; Bubi: 17.00–18.00; Annobonés: 18.00–18.30; Combe: 18.30–19.00; English: 19.00–19.45 – ANN: "Desde la isla de Fernando Póo, transmite EAJ205 R. Santo Isabel" – INT-SIG: "Los Voluntarios" – V. by letter.

**RADIO ECUATORIAL (Gov. Comm.)**
ADDR: Apt. 57, Bata, Provincia de Rio Muni. Te: 182. Cable: Radio Bata – L.P: Dir. E. E. Navarro Mañaz.
STATION: EAJ206 4926kHz 60.90m 5kW – HOME SCE. in Spanish: W 07.00–16.00, 18.00–22.00 (Sat 00.30), Sun 07.00–22.00 – ANN: "Transmite R. Ecuatorial Bata, La Voz de Rio Muni"

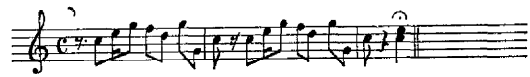
## IVORY COAST (Republic)

L.T: GMT+Pr.L: French, Vernaculars.

**RADIODIFFUSION TELEVISION IVOIRIENNE (Gov.)**
ADDR: B.P. 2261, Abidjan. Te: 23514. Cable: Radiocotivoire – L.P: Dir: E. Kouame. Dir. Tec: G. Tanoh.
STATIONS (G.C: 03.57W/05.21N):

| kHz | m | kW | Netw. | kHz | m | kW | Netw. |
|---|---|---|---|---|---|---|---|
| 1240 | 241.9 | 1 | I | 4940 | 60.73 | 10 | I |
| 1493 | 200.9 | 4 | II | 6015 | 49.88 | 100 | II |
| 1578 | 190.1 | 5 | I | 7215 | 41.88 | 1 | II |
| 3242 | 92.54 | 25 | I | 11820 | 23.58 | 100 | II |

D.PRGR's: National Netw. (I): W 06.00–08.00, 12.00–14.00 (Sat 17.00), 17.00–24.00 Sun 06.00–24.00 – N in French: 06.02, 06.45 (W), 07.30 (Sun), 07.55 (W), 09.00 (Sun), 10.00 (Sun), 11.00 (Sun), 12.00 (Sun), 12,02 (W), 12.45, 13.55 (W), 19.00, 20,00, 22.30, 23.55. Vernaculars: 17.30–18.30.
International Netw. (II): 06.30–08.00, 18.00–24.00 on 1493/6015/7215 kHz; 12.00–14.00 (Sun 08.00–18.00) on 1493/7215/11820kHz – N in French: 06.32 (W), 07.15 (W), 07.30 (Sun), 07.55 (W), 10.00 (Sun), 11.00 (Sun), 12.00 (Sun), 12.02 (W), 12.45, 13.55 (Sun), 15.00 (Sun) 16.00 (Sun), 17.00 (Sun), 18.00 (Sun), 18.02 (W), 20.00, 22.30. English: W 18.30–19.00.
N: 18.30 (W). Vernaculars: 19.00–19.30 (W).
ANN: "Ici Abidjan, Radiodiff. Télévision Ivorienne, chaine nationale., or chaine internationale". E: "This is the Ivory Coast Broadc. System". INT-SIG: Vibraphone.



V. by QSL-card. Rp. appreciated.

## KENYA

L.T: GMT+3 h — Pr.L: English, Swahili, Hindustani.

**VOICE OF KENYA (Gov.)**
ADDR: Box 30456 Nairobi. Te: 24211. Cable: Broadcasts — L.P: Dir: R. Koske, Chief Eng: R. J. Davey.
**HOME SERVICES**
General Sce. (English) from Nairobi: W 03.15-06.20, 09.15-11.00, 13.00-20.05; Sat 03.15-21.05; Sun 04.00-20.05.
750kHz 400m 100kW:—FM: 95.1MHz 1kW: as above.
1286kHz 233.3m 0.5kW:—1304kHz 230.1m 0.5kW: as above.
4885kHz 61.41m 10kW: W 03.05-06.20, 13.00-20.05, Sat 03.15-06.15, 12.15-21.00, Sun 04.00-06.15, 12.45-20.05.
7240kHz 41.44m 10kW: W 09.15-11.15, Sat 06.30-12.00, Sun 06.30-12.30.
N: 04.00, 06.00, 10.15, 11.00, 16.10 (Sat 16.00, Sun 17.00), 18.00, 18.10 (W).

**Nat. Sce. (Swahili) from Nairobi:** 03.00 (Sun 04.00)-20.15 (Sat 21.00).
611kHz 491m 100kW:—**FM:** 92.9MHz 1kW: as above.
1106kHz 271.2m 0.5kW:—1133kHz 264.8m 0.5kW: as above.
4934kHz 60.80m 10kW: 03.00-05.00, 14.30-20.00
7210kHz 41.61m 10kW: 05.15 (Sun 06.15)-14.15
**Hindustani Sce. (Nairobi):** W 03.45-05.00, 09.00-11.00, 13.00-19.30, Sat 03.45-05.00, 09.00-19.30; Sun 05.00-19.30.
1268kHz 236.6m 50kW: as above.
4855kHz 61.79m 5kW: 03.15-05.00, 14.30, (Sat 13.15)-20.00, Sun 13.15-19.30.
7125kHz 42.11m 5kW: W 09.30-11.00 (Sat 13.00), Sun 05.00-13.00.
**N. in English:** D 16.00, 18.00.
**Nairobi Reg. Station:** 03.30-05.00, 09.15-10.30, 13.15-18.15.
1268kHz 236.6m 5kW: as above.
4950kHz 60.66m 5kW: 03.30-05.00, 13.15-18.15.
**Mombasa Station:** 791kHz 379.3m 20kW: W 03.00-05.00, 10.00-11.00, 14.00-20.15; Sat 03.30-20.15; Sun 04.00-20.15.
**Kisumu Station:** W 03.00-05.00, 10.00-11.00.
953kHz 314.6m 5kW: as above.
4804kHz 62.44m 5kW: 03.00-05.00.
7290kHz 41.15m 5kW: 10.00-11.00.
**ANN:** All tr's are regularly identified by the words "Voice of Kenya" preceded by the appropriated nat. or reg. service identity — **INT-SIG:** Drums — **V.** by letter. Re. to Chief Eng. Recordings accepted — **ALF:** £1/0/0.

## LESOTHO (Kingdom)

**L.T:** GMT+2h – **PR.L:** Sesotho, English.

### RADIO LESOTHO (Gov.)

**ADDR:** P.O. Box 353, Maseru – **L.P:** Dir. of Inf: U. B. Tristan.
**STATIONS:** 899kHz 333.7m 2kW – 1196kHz 250.8m 2kW.
**HOME SCE in Sesotho, English:** On 899kHz: 04.30–06.30, 16.30–19.30 (Sun 18.00) –**N in English:** 05.00, 18.45 (W). **N in Sesotho:** 04.45, 19.00 (W).
On 1196kHz: 16.00–20.00 (Comm. prgr's).
**ANN:** "This is R. Lesotho" – **INT-SIG:** Dove Call & Crowing Cock. **V.** by QSL-card – **F.PL:** 10kW mw-tr and 10kW sw-tr in the 60 m.b.

### RADIO STATION ZNF4V (Educ.)

Owned and operated by the Educational Secretary, Roman Catholic Schools, Lesotho – **ADDR:** Catholic School Secretariat, P.O. Box 80, Maseru. **Te:** 2525.
**L.P:** St. Mgr: L. Nchapha. Dir. Tec: J. Mothale.
**STATION:** 3824kHz 78.46m 0.1kW – **HOME SCE. in Sesotho:** Sat 18.00–20.00 – **ANN:** "ZNF4V Maseru" – **INT-SIG:** Local Basuto instrument – **V.** by letter.

## LIBERIA (Rep. of)

**L.T:** GMT+¾ h — **Pr.L:** English, Liberian-Vernaculars.

### STATION ELBC LIBERIAN BROADCASTING CORPORATION

**ADDR:** P.O. Box 594, Monrovia. **Te:** 22011. **Cable:** Broadcasts – **L.P:** Gen. Mgr: D. Stuart-Williams. Chief Eng: M. Severy.
**STATIONS** (G.C: 10.42W/06.14N): 10kW.
650kHz 461.5m – 3255kHz 92.15m – 6090kHz 49.26m.
**HOME SCE:** 06.15 (Sun 07.15)–10.45 on 650/3255kHz, 12.45 (Sun 10.45) – 19.45 on 650/6090kHz, 19.45–00.45 on 650/3255kHz – **N. in English:** 06.30*, 08.00, 09.15, 10.40, 13.00, 14.45, 16.00, 18.00 20.10*, 21.45, 23.45 – *African N – N in African dialects: 07.10, 16.10, 18.10 – **N. in French:** 22.00 – **ANN:** "This is the Liberian Broadc. Corp, Monrovia" – **V.** by QSL-card – **FI:** by adv.

### RADIO STATION ELWA (Non-Comm, Cultural Missionary Broadc. Sce. of the Sudan Interior Mission)

**ADDR:** Box 192, Monrovia. **Cable:** Evangel – **L.P:** Gen. Mgr: Rev. D. Reed. Dep. Gen. Mgr: Rev. R. de la Haye. St. Mgr: Rev. W. H. Thompson, Acting St. Mgr: Rev. P. Draper. Dir. Prgr: R. Cornelius. Dir. Tec: R. Coddington. Dir. French Dept: M. Weber.
**STATIONS** G.C: 10.42W/06.14N):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 710 | 422.0 | 1 | 11950 | 25.10 | 10/50 | 17760 | 16.89 | 1 |
| 3227 | 92.96 | 10 | 11975 | 25.05 | 10/50 | 21535 | 13.93 | 0.5 |
| 4770 | 62.89 | 10 | 15155 | 19.80 | 50 | | | |

**HOME SCE.** (for Liberia/ We. Africa):
**English:** W 06.15–09.15, 17.45–18.15, 20.15–22.50 (Sat. 23.15) on 710/4770kHz; 18.15–20.15 (Sat 16.45–23.15) on 710kHz; Sun 07.45–19.00, 20.15–22.45 on 710/4770kHz; 19.00–20.15 on 710kHz. **N:** 07.00*, 07.10, 18.00*, 18.10, 19.00, 20.00*, 20.10, 21.45. **French:** 19.00–20.15 on 4770kHz. **Liberian Languages:** W 06.15–08.15, 18.00–22.45 on 3227kHz; Sun 06.15–10.45, 18.15–22.45 on 3227kHz. **West African Languages:** 18.15–19.00 on 4770kHz; Sun 06.45–07.45 on 4770kHz. **Arabic:** 10.45–11.15 on 3227kHz.
**FOREIGN SCE:**
**To Central Africa:** W 06.00–07.30 (Fri 07.45, Sat 08.15) on 11950kHz; 12.00–13.00 (Sun 13.30), 14.15–16.45 on 11975/17760/21535kHz; Sun 06.00–10.00 on 11975kHz, 10.00–16.45 on 11975/17760/21535kHz, **English:** W 06.00–07.15 (Sat 08.00), 15.30–16.45; Sun 06.00–08.00. 10.00–12.00, 15.30–16.45. **N:** W 06.00*, 07.00, 16.00*, 16.10. **French:** 08.00–10.00 (Sun. only), 12.00–13.30 (Sun. only). **Nigerian Languages:** W 14.15–15.30, Sun 13.30–15.15. **Twi:** 07.15–07.30 **Moré:** 08.00–08.15 (Sat) on 11950kHz, 13.30–13.45 on 11975/17760/21535kHz (Sun), 18.30–18.45 (Thurs) on 4770kHz.
**To No. Africa on 15155kHz: French** 20.00–20.45; **Spanish** Mon-Wed 20.45–21.00; **Arabic** 21.00–22.00.
**To So. America on 15155kHz: Portuguese** 22.00–23.00.
**To Congo on 15155kHz: Congo Languages** 17.00–18.00 (Sun, Mon, Fri, Sat); **French** 18.00–19.00 (Tues, Wed, Thurs 17.45–19.00).
**To Middle East on 15155/17760/21535kHz: Arabic** 19.00–20.00; **Greek** Tues-Thurs 19.45–20.00. *= BBC.
**ANN:** Home and Foreign Sce: English: "This is ELWA broadc. from Monrovia, Liberia". French: "Ici ELWA, Monrovia, Liberia" – **INT-SIG:** Vibraharp recording: Part of song "O Give the Winds a Mighty Voice".

**FI:** Supported by voluntary gifts from evangelical Christian groups and "share-the-cost" plan.

**BBC WEST AFRICAN RELAY STATION** (run by the ELBC for the BBC): Relays of the BBC World Sce, French, Hausa and English Sce's for West Arfica.
**STATION:** Monrovia 9555kHz 31.40m 10kW.
**D.Prgr's:** 05.45–09.15, 10.30–20.15.
**BBC World Service:** 05.45–06.30, 07.00–07.30, 08.00–08.15, 09.00–09.15, 10.30–12.00, 14.15–16.00 (Sat only), 16.00–16.45, 18.00–18.30, 19.00–19.45, 20,00—20.15 – **English (for Africa):** 06.30–07.00, 07.30–08.00, 16.45–17.45, 19.45–20.00. **French:** 12.00—13.45 (incl. English by Radio 13.30–13.45) – **Hausa:** 13.45–14.15.

### VOICE OF AMERICA RADIO STATION IN LIBERIA

**ADDR:** Voice of America, Washington, D.C. 20547, USA.
**Short Wave:** Monrovia (G.C: 10.33W/06.26N): 50/250kW.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 3990 | 75.19 | 7175 | 41.84 | 11915 | 25.18 | 17780 | 16.87 |
| 6035 | 49.71 | 7195 | 41.70 | 11960 | 25.08 | 17875 | 16.84 |
| 6140 | 48.86 | 7280 | 41.21 | 15320 | 19.58 | 17830 | 16.83 |
| 6145 | 48.82 | 9660 | 31.06 | 15360 | 19.53 | 21505 | 13.94 |
| 6180 | 48.54 | 9750 | 30.77 | 15445 | 19.43 | 21520 | 13.94 |
| 7135 | 42.05 | 11740 | 25.55 | 17740 | 16.91 | 21670 | 13.84 |

**D.PRGR: English:** 03.00–08.00, 14.00–23.45. **French:** 06.00–07.30 (Mon-Fri), 18.30–21.00; **Swahili:** 17.00–18.00.
**ANN:** "You are listening to the Voice of America from Monrovia" – **INT-SIG:** Variations of "Colombia, Gem of the Ocean" – **V.** by QSL-card.

## LIBYA (Kingdom of)

**L.T:** GMT+2h — **Pr.L:** Arabic.

### LIBYAN BROADCASTING AND TV SERVICE

**ADDR:** P.O. Box 333, Tripoli; P.O. Box 274, Benghazi. **Te:** 32451 (Tripoli), 3311 (Benghazi). **Cable:** Idaalibya — **L.P:** Under Secr. Ministry of Inf. and Guidance: A. Hamuda Siala. Dir Gen: M. R. Ben Shaban. Prgr. Consultant: O. Ali. Tech. Supervisor: M. Areh.

| STATIONS | kc | m | kW | STATIONS | kc | m | kW |
|---|---|---|---|---|---|---|---|
| Benghazi | 674 | 445.1 | 100 | Tobruk | 1394 | 215.2 | 10 |
| Tripoli | 1052 | 285.1 | 50 | Tripoli | 5965 | 50.29 | 100 |
| Tripoli | 1214 | 247.1 | 5 | Tripoli | 7165 | 41.87 | 100 |
| Benghazi | 1594 | 188.2 | 5 | Tripoli | 9565 | 31.36 | 100 |

**G.C:** Tripoli 13.15E/32.52N — Benghazi 20.04E/32.07N Tobruk 23.57E/32.07N.

**HOME SCE in Arabic:** 04.30-08.00, 12.00-22.15 (Fri. 04.30-22.15). **N:** 05.30, 07.55, 12.30, 15.30, 17.00, 18.30, 19.30, 21.00, 22.05.
**ANN:** "Hunna Al Idaa Allibia Min Tarablus" (from Tripoli) or "Hunna Al Idaa Allibia Min Benghazi (from Benghazi).

**INT-SIG:** Prg's open and close with National Anthem **V.** by letter.

### BRITISH FORCES BROADC. SCE. BENGHAZI

is operated by the Ministry of Defence to provide a service of inf, intertainment as well as a link with home for H.M. Forces stationed en Benghazi. It is non-comm, does not accept adv – **ADDR:** B.F.P.O.

55, Benghazi – L.P: St. Contr: P. Holwill. Sen. Eng: P. F. Blanchette. Prgr Org: E. A. King.
STATIONS: 833kHz 360.5m 1kW – 97.8MHz 4kW (ERP).
D.PRGR: Mon-Fri 04.30, 16.00–21.00; Sat 04.30–06.45, 10.30–21.00; Sun 06.00–21.00.
N (BBC): 05.00 (W), 06.00 (W), 07.00 (Sun), 11.00 (Sat)/Sun, 16.00, 18.00 – ANN: "This is the British Forces Broadc. Sce, Benghazi" –V. by QSL-card.

**BRITISH FORCES BROADC. SCE. TOBRUK**
is operated by the Ministry of Defence to provide a sce. of inf, entertainment as well as a link with home for H.M. Forces stationed in Tobruk and El Adem. It is non-comm, does not accept adv – ADDR: B.F.P.O. 56, Tobruk – L.P: Contr: R. L. Angove, M.B.E. Sen. Eng: L. Allen. Prgr Org: R. L. Neil.
STATIONS: 1484kHz 202.2m 1kW – 1439kHz 208m 1kW.
FM: 89MHz, *90.2MHz 0.075kW. *–El Adem.
D.PRGRS: W 04.00–08.00, 14.00–21.00. Sun 06.15–10.15, 14.00–21.00. N (BBC): 04.00, 05.00, 06.00, 16.00, 18.00, 20.00 – ANN: "This is the British Forces Broadc. Sce. Tobruk" – V. by QSL-card.

## MADEIRA (Portuguese)

L.T: GMT – 1 h (Su. GMT) – Pr.L: Portuguese.

**ESTACAO DA MADEIRA (Pr.)**
ADDR: C.P. 450, Funchal. Te: 21883.
STATION (System Gates): CSB90 1484kHz 202m 1kW.
HOME SCE: W 08.00–10.00, 12.00–23.30; Sun 08.00 23.00 - ANN: "Estação. R. da Madeira (CSB90) no comprimento d'onda de 202 metros freq. de 1484kHz . . .".

**POSTO EMISSOR DE RADIODIF. DO FUNCHAL (Pr.)**
ADDR: Rua Ponte de S. Lazaro 3, Funchal. Te: 1797.
STATION: CSB91 1529kHz 196.2m 0.3kW – HOME SCE: W 12.30 (Tues, Fri 12.00) –17.00, 19.30–24.00. Sun 10.00–24.00 – V. by letter.

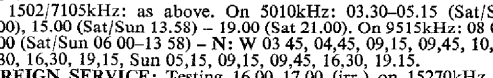
## MALAGASY REPUBLIC

L.T: GMT + 3h – Pr.L: Malgache, French.

**RADIODIFFUSION NATIONALE MALGACHE (Gov.)**
ADDR: B.P. 442, Tananarive. Cable: R. Madagascar. Te: 223–81.
L.P: Dir. R. Rabesahala. Techn. Counsellor: R. Leruste. Dir. Tec. B: Rakotoarivelo. Dir. of Nat. & Intern. Netw: J. Rafidinarivo. Dir. Publicity: D. Razanamaholy.
STATIONS (G.C: 47.35E/18.50S):

| kHz | m | kW | Netw. | kHz | m | kW | Netw. | kHz | m | kW | Netw. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1394 | 215.1 | 4 | I | 5010 | 59.88 | 30 | II | 9515 | 31.53 | 30 | II |
| 1502 | 199.7 | 4 | II | 7105 | 42.22 | 30/4 | II | 9690 | 30.96 | 30/ | I |
| 3288 | 91.24 | 30 | II | 7155 | 41.92 | 30/4 | I | 15270 | 19.65 | 100 | |
| 4985 | 60 | 18 | 30/4 | I | | | | | | | |

HOME SCE: Net I (Malagasy): W 03.00–05.00, 08.00–11.00, 15.00–19.30; Sat 03.00–19.30; Sun 03.30–19.30.
On 1394/7155kHz: as above. On 4985kHz: 03.00–05.00 (Sat/Sun 06.00), 15.00 (Sat/Sun 13.58)–19.00. On 9690kHz: 08.00–11.00 (Sat/Sun 06.00–13.58) – N: Mon-Fri 03.05, 04.00, 08.15, 09.30, 10.30, 16.15, 18.30; Sat 03.05, 04.00, 05.30, 06.30, 07.30, 08.15, 09.30, 10.30, 16.15, 18.30 – N. in French: 05.45, 06.45, 07.45, Net II (French): W 03.30–05.15, 09.00–11.00, 15.00–19.30; Sat 03.30–21.00; Sun 04.00–19.30.
On 1502/7105kHz: as above. On 5010kHz: 03.30–05.15 (Sat/Sun 06.00), 15.00 (Sat/Sun 13.58) – 19.00 (Sat 21.00). On 9515kHz: 08 00–11,00 (Sat/Sun 06 00–13 58) – N: W 03 45, 04,45, 09,15, 09,45, 10,30, 15,30, 16,30, 19,15, Sun 05,15, 09,15, 09,45, 16,30, 19.15.
FOREIGN SERVICE: Testing 16.00–17.00 (irr.) on 15270kHz (or 15265) towards West Africa & Europe in French & English. ANN: Malgache: "Radio-Madagasikara ity izay renareo avy eto Antananarivo". French: "Radio Madagascar émettant depuis Tananarive".
INT-SIG: "O . . . Raketaka" played on "Valiha" (typical instrument consisting of bamboo the detached fibres of which are used as strings):



V. by QSL-card. Recordings accpeted.

**RADIO UNIVERSITE (Gov. Educ.)**
ADDR: B.P. 909, Tananarive. Te: 22218 – L.P: Dir. Gen: R. Roblot. St. Dir: M. Bedu. Dir. Tec: B. Razakaboay.
STATIONS: 1275kHz 235.3m 1kW – 3370kHz 88.02m 4kW
6070kHz 49.42m 4kW – 7880kHz 38.07m 4kW.
HOME SCE: W 03.15–04.30, 15.30–19.00 on 1275/3370kHz; Sun 12.00–14.00 on 1275/6070/7880kHz, 14.00–19.00 on 1275/3370kHz. (no broadcasts 1/7–15/10, 25/12–3/1 and at Easter time). ANN: "Ici R. Madagascar – R. Université émettant de Tananarive". V. by letter

## MALAWI

L.T: GMT+2h — Pr.L: English, Nyanja, Tumbuka.

**MALAWI BROADCASTING CORPORATION**
(Independent statutory body)
ADDR: P.O. Box 453, Blantyre. Te: 8461. Cable: Radiomalawi. L.P: Dir. Gen: J. H. Parry. Secr. & Head of Adm: F. O'Callaghan. Comm. Mrgr: E. L. Vnadagriff. Chief Eng: G. K. MacDonald. Prgr. Mgr: A. Cox. Head of N: C. A. H. Kachingwe.
STATIONS (G.C: Blantyre 35.02E/15.42S):

| kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|
| Lilongwe 602 | 498.4 | 1 | Blantyre | 764 | 392.6 | 10 |
| Fort Johnston 899 | 333.7 | 1 | Blantyre | 3380 | 88.76 | 10 |
| Karonga 692 | 433.5 | 1 | Blantyre | 5995 | 50.04 | 10 |

HOME SCE: 03.45 (Sun 03.55) –06.05, 07.00–21.05 (Sat 23.05). On 3380kHz: 03.45 (Sun 03.55) –06.05, 15.30–21.05 (Sat 23.05): On 5995kHz: 07.00–15.15.
N in English: 04.00, 05.00 (W), 06.00, 08.00, 10.00, 11.00, 12.00 (not Sat), 14.00 (not Sat), 16.00, 18.00, 20.00, 21.00. Chinyanja: 04.05, 08.05, 10.05, 11.10, 12.05 (not Sat), 16.30. Chitumbuka: 04.10, 08.10, 10.10, 11.15, 12.10 (not Sat), 16.45. ANN: E: "You are tuned to the Malawi Broadc. Corpo. We are broadc. on . . . . in the sw band and on mw 393m for listeners in the So. Region and on 500m for listeners in the Central Region, on 334m for listeners in the Fort Johnson area and 434m for listeners in the Northern Region" – V. by letter.

## MALI (Rep. of)

L.T: GMT – Pr.L: French, English, Vernaculars.

**RADIO MALI (Gov.)**
ADDR: B.P. 171, Bamako. Cable: Radio Mali. Te: 2474 – L.P: Dir: M. Racine Kane. Dir. Tec: M. Keita.
STATIONS (G.C: 0758W/12.38N):

| kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|
| 1268 | 236.6 | 4 | 7285 | 41.18 | 18 |
| 1430 | 210.0 | 60 | 9745 | 30.78 | 50 |
| 4783 | 62.72 | 18 | 11750 | 25.53 | 50 |
| 4835 | 62.05 | 18 | 11815 | 25.39 | 50 |
| 7145 | 41.99 | 18 | | | |

HOME SCE. in French, English, Bambara, Sonraie, Peul, Sarakolé, Ouloff, Tamachek, Maure: W 06.00–08.00 on 1268/1430/4783/9745kHz, 12.00–14.00 (Sat 17.30) on 1268/1430/7145/7285/9745kHz, 18.00 (Sat 18.30) –23.00 on 1268/1430/4783/4835/9745kHz; Sun 08.00–17.30 on 1268/1430/7145/9745kHz, 18.30–23.00 on 1268/1430/4783/4835/9745kHz – N: French: 07.00 (W), 09.00 (Sun), 12.45, 20.15, 22.30. English: 12.25, 19.55. Vernaculars: D 12.30, 13.15, W 18.45, 19.00, 19.15, 19.35 – LL (elementary French): 19.45. Special Prgr. on 11750kHz: Mon 10.30–11.15 in French. Reg. Station: Mopti 1268kHz 236.6m 4kW (relay Bamako). ANN: F: "Ici Bamako, Radiodiff. Nationale de la République du Mali émettant sur . . ." – INT-SIG: African Music on local instrument "Cora" – V. by QSL-card. Recordings accepted. Rp. – F.PL: 100kW tr.

## MAURITANIA

L.T: GMT – Pr.L: French, Arabic, Vernaculars.

**RADIO MAURITANIA (Gov.)**
ADDR: B.P. 200, Nouakchott. Te: 2164 – L.P: Dir. M. B. Fall. Chief Eng: G. Preu d'Homme. High Commissioner Inf. & Tourism: A. O. Sidya.
STATIONS (G.C: 15.57W/18.07N):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 1349 | 222.4 | 1 | 4850 | 61.87 | 30 | 7245 | 41.41 | 4 |
| 3222 | 93.11 | 30 | 6035 | 49.71 | 4 | 9610 | 31.22 | 30 |

HOME SCE: W 07.00–08.00 on 1349/4850kHz, 12.30–15.00 on 1349/7245/9610kHz, 18.30–22.30 on 1349/4850kHz; Sun 08.00–14.00 on 1349/7245/9610kHz, 17.00–23.00 on 1349/4850kHz.
NEWS: French 07.20 (W), 10.50 (Sun), 12.45, 14.30 (W), 20.00, 22.12. Arabic: 07.25 (W), 08.55 (Sun), 13.00, 14.45 (W), 20.30, 22.05. Ouolof: W 12.30, 18.30. Toucouleur: W 12.35, 18.50. Sarakolé: W 12.15, 19.10. ANN: "Ici Nouakchott, Radiodiff. de la République Islamique de Mauritanie" – INT-SIG: Mauritanian guitar – V. by QSL-card. Re. in F, Arabic – F.PL: 100kW sw-tr's at Nouakchott in 1968, and 100kW mw-tr within 3 years; three 10kW mw-tr's for relay of Nouakchott – AD: 2 × 30 seconds, at 07.00, 20.00 – ALF: CFA 500,–.

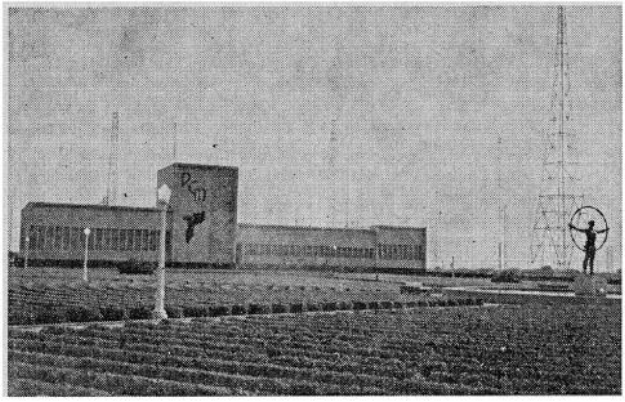
## MAURITIUS (British)

L.T: GMT+4h – Pr.L: English, French, Hindustani, Chinese.

**MAURITIUS BROADCASTING CORPORATION (Comm.)**
ADDR: Malherbes Transmitter Bldg. Forest Side. Te: Curepipe 507 Cable: Broadcast – L.P: Dir. Gen: St. McCormack. Chief Eng: G. Gaughan. Head of News Dept: P. Mc. Gaw. Prgr. Contr: J. Delaitre.
STATIONS (G.C: 57,31E/20.19S): 10kW
638kHz 439m – 820kHz 365m (not yet operating) – 4850kHz 61.86m – 9710kHz 30.90m.
HOME AND DEPENDENCIES: D 02.30–18.30.

# AQUI PORTUGAL MOÇAMBIQUE

## Rádio Clube de Moçambique



com os seus emissores em

– *Lourenço Marques*

– *Quelimane*

– *Nampula e*

– *Porto Amelia*

**As emissões mais populares do Continente Africano.**

**Programas diários em Português, Inglês, Afrikaans e Dialectos Africanos.**

Informaçoes detalhadas a páginas


683kHz: as above. 4850kHz: 13.00–18.30. 9710kHz: 02.30–13.00. **English/French:** W 03.00–10.30, 14.30–18.30 (Sat 19.00); Sun 03.00–09.00, 14.30–18.30. N: **French:** 03.30, 06.00, 08.30, 15.00, 16.00, 17.30. **English:** 04.00, 18.00 – **Wrp:** 03.40, 15.10 (F), 04.10 (E) – **Indian Languages:** W 02.30–03.00, 10.30–14.30. Sun 10.00–14.30 – N: 02.45, 14.00 – **Chinese:** Sun 09.00–10.30, Tues-Thurs 09.30–10.30. ANN: E: "This is Mauritius Broadc. Corpo". F: "Ici la M.B.S. poste de radiodiff. de l'Ile Maurice" – INT-SIG: Opening tune: "Brucker lagger march". Before N: "Cortege de Bacchus" from Sylvia Ballet by Delibes – V. by letter. Recordings accpeted – ALF: 14 Rupees.

## MOROCCO

L.T: GMT – Pr.L: Arabic, French, Spanish, English, Berber.

**RADIODIFFUSION TELEVISION MAROCAINE (Gov.)**

ADDR: 1 Rue Pierre Parent, Rabat. Cable: Radiomaroc. Te: 20151.

**HOME SCE:** First Netw. (Chaine A):

Arabic: W exc. Fri 06.30—09.00, 12.00–24.00; Fri/Sun 06.30—02.00.

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Oujda | 593 | 506 | 100 | Safi I | 1025 | 293 | 1 |
| Sebaa Aioun I | 611 | 491 | 140 | Tetuan I | 1052 | 293 | 20 |
| Casablanca | 818 | 367 | 1 | Tanger II | 1115 | 269 | 10 |
| Rabat I | 827 | 363 | 1 | Tanger | 1232 | 244 | 50 |
| Agadir | 935 | 321 | 100 | B. Mellal | 1343 | 223 | 0.25 |
| Marrakech I | 971 | 309 | 1 | | | | |

**Short Waves:** *Sebaa Aioun, **Tangier.

**On 7225kHz** 41.52m 10kW: as above – **On 9615kHz** 31.20m 100kW: 19.00–22.00 to Mid.East. **On **1173 5kHz** 25.56m 50kW: 06.30–09.00 12.00—18.30. **On 15345kHz** 19.55m 50kW: 06.30-09.00, 12.00-18.00 (Fri & Sun 06.30-18.00) to We. Africa/Mauritania.

**Second Netw.** (Chaine B): **French, Spanish:** W 07.00–09.00, 12.00–15.00, 18.00–24.00; Sun 07.30–02.00

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Sebaa-Aioun II | 701 | 428 | 140 | Marrakech | 1151 | 261 | 1 |
| Oujda | 837 | 363 | 100 | Casablanca II | 1187 | 253 | 1 |
| Tanger III | 1016 | 295 | 1 | Safi II | 1322 | 227 | 1 |
| Rabat II | 1025 | 293 | 1 | | | | |

**Short Wave:** Sebaa-Aioun 7115kHz 42.16m to So. Morocco. **French:** W 07.00–08.30, 12.00–14.00, 18.00–23.00; Sun 07.30–10.00, 11.00–14.00, 15.00–23.00 – N: 07.45, 13.00, 20.00, 22.45. **Spanish:** 08.30–09.00 (Sun 10.00–11.00), 14.00–15.00, 23.00–24.00 – N: 08.30, 14.15, 23.00.

**Third Netw.** (Chaine C):

**Berber:** 07.00–09.00, 12.00–15.00, 17.00–23.00.

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Tetuan II | 917 | 327 | 5 | Casablanca III | 1484 | 202 | 1 |
| Sebaa-Aioun III | 1043 | 288 | 25 | Marrakech | 1594 | 188 | 1 |
| Rabat III | 1295 | 232 | 1 | | | | |

**"Voice of Morocco":** 1232kHz 243.5m 50kW: 09.30–18.00. 22.00–24.00 – **Arabic:** 09.30–14.00, 22.00–24.00 – **Spanish:** 14.00–16.00 – **French:** 16.00–18.00.

**FOREIGN SERVICE: French, English, Ouolof:** 18.30–23.30

| | | |
|---|---|---|
| Sebaa-Aioun | 6160kHz | 48.70m 50kW: To We. Af/Mauritania |
| Tangier | 11735kHz | 25.56m 50kW: To We. Af/Mauritania |
| Tangier | 15380kHz | 19.51m 50kW: To We. Af/Mauritania |
| Tangier | 15410kHz | 19.47m 10kW: To So. Morocco |

G.C: Sebaa-Aioun 05.24W/33.55N; Tangier 1 (15410kHz) 05.40W/35.45N; Tangier 2 (9615/11735/15380kHz) 05.58W/35.36N.

ANN: F: "Ici Rabat Radiodiff. Télévision Marocaine". E: "This is the Morroccan Broadc. and Television System Rabat". Sp: "Aqui Radiodiff. Televisión Maroqui". Voice of Morocco: F: "Ici Tanger la voix du Maroc" – V. by QSL-card. Recordings accepted. Rp. – PUB: Monthly magazine in Arabic – F.PL: 400kW LW-tr – ALF: DH 15,–

**VOICE OF AMERICA RADIO STATION IN TANGIER**

ADDR: Voice of America, Washington D.C. 20547, USA.

STATIONS: G.C: 05.56W/35.41N. Tangier 35/50/100kW: 02.00–07.45, 12.00–24.00.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 5960 | 50.34 | 7270 | 41.27 | 15195 | 19.74 | 17705 | 16.94 |
| 5965 | 50.29 | 9530 | 31.48 | 15245 | 19.68 | 17815 | 16.84 |
| 6125 | 48.98 | 9615 | 31.20 | 15270 | 19.65 | 17855 | 16.80 |
| 6160 | 48.70 | 11710 | 25.62 | 15290 | 19.62 | 21445 | 13 98 |
| 7160 | 41.90 | 11790 | 25.45 | 15295 | 19.62 | 21690 | 13 83 |
| 7220 | 41.55 | 11960 | 25.08 | 15315 | 19.59 | 25880 | 11.59 |

D.PRGR: See USA – ANN: "You are listening to the Voice of America from Tangier" – INT-SIG: Variations of "Columbia, the Gem of the Ocean" – V. by QSL-card.

## MOZAMBIQUE

L.T: GMT+2 h – Pr.L: Portuguese, English, Afrikaans, Vernaculars.

**RADIO CLUBE DE MOCAMBIQUE (Non-profit organization)**

ADDR: P.O Box 594, Lourenço Marques. Te: 4045. Cable: Radioclube – L.P: Pres: A das Neves Conçalves. Executive Dir. H. A. da Silva Rodrigues. Gen. Mgr: V. Rodrigues. Chief Portuguese Section: J. Mendonça. Chief English Section: D. Davies.

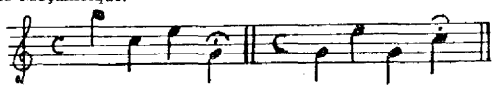
**STATIONS:** 15tr's from 5 to 100kW (G.C: 32.22E/25.59S):

| kHz | m | Prgr | kHz | m | Prgr | kHz | m | Prgr | kHz | m | Prgr |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 737 | 407.1 | A | 3218 | 93.22 | B | 4855 | 61.79 | B | 6180 | 48.54 | B |
| 917 | 327.0 | B | 3265 | 91.87 | A | 4865 | 61.66 | * | 11780 | 25.47 | B |
| 1160 | 258.6 | C | 3338 | 90.87 | * | 4925 | 60.90 | A | 11820 | 25.38 | A |
| 1223 | 245.3 | * | 3373 | 88.94 | B | 6050 | 49.59 | B | 15295 | 19.61 | C |
| 1358 | 220.9 | B | 4762 | 63.00 | B | 6115 | 49.06 | A | | | |

**FM:** 98MHz (Prgr. A+C). *=Ronga, Shangane.

**A.PRGR in Portuguese:** 04.30–16.00 on 737/4925/6115/11820kHz, 16.00–16.30 on 737/4925/11820kHz, 16.30–17.00 on 737/3265/4925/11820kHz, 17.00–21.00 on 737/3265/4925kHz – **N:** 05.15, 08.30, 10.30, 14.00, 16.30, 17.30, 20.30 – **ANN:** On the h: 4 notes on gong followed by "Aqui Portugal Mocambique fala-vos o R. Clube em Lourenço Marques transmitindo en ondas curtas e medias" V. by QSL-card.

**B-PRGR in English, Afrikaans:** 23.00–04.00 on 917/3218kHz, 04.00–04.30 on 917/4855/11780kHz, 04.30–05.00 on 917/4855/6050/11780kHz, 05.00–15.00 on 4855/6050/11780kHz, 15.00–16.00 on 917/1358/4855/6050/11780kHz, 16.00–16.30 on 917/1358/4855/11780kHz, 16.30–17.00 on 917/1358/3218/4855/11780kHz, 17.00–23.00 on 917/1358/3218/4855kHz. Also 19.30–21.00 on 3373/4762kHz, 04.30–05.00 (Sun only) on 4762/6180kHz. **ANN:** Every quarter-h and half-h 4 notes on a gong followed by: "This is Lourenço Marques R. for Happy listening, broadc. fom Portugal Moçambique . . . broadc. in the 25, 42, 49, 60, 92, 327 metre bands" – **INT-SIG:** Gong – V. by QSL-card. Recordings accepted – **PUB:** Monthly: Radio Moçambique.



**C-PRGR in Portuguese** (to Lourenço Marques & Europe): 16.30 (Sun 14.00) –20.00 on 1160/15295kHz+FM – **Rlg:** W 16.05–16.25 on 1160/15295kHz+FM.

**RADIO UNIVERSIDADE:** Sun 07.00–09.00, Sat 15.00–16.00 on 1160kHz+FM.

**AFRICAN SERVICE: Changane:** W 16.00—18.00 on 1223/3338/4865kHz, Sat also 10.00—13.00 on 1223/4865kHz; Sun 05.00–08.00 & 11.00–13.00 on 1223/4865kHz, 15.00–17.30 on 1223/3338/4865kHz. **Ronga:** W 18.00–20.00 on 1223/3338/4865kHz, Sat also 13.00–16.00 on 1223/4865kHz; Sun 08.00–11.00, 13.00–15.00 on 1223/4865kHz, 17.30–20.00 on 1223/3338/4865kHz. **FI:** By state, license, adv – **AD:** Portuguese: 04.30–21.00. English: 24 h.

**REGIONAL STATIONS (0.25 to 10kW)**

**G.C:** Porto Amelia 40.45E/13.02S; Quelimane 36.53E/17.52S; Nampula 39.13E/15.07S.

| Name | kHz | m | Name | kHz | m |
|---|---|---|---|---|---|
| Quelimane | 935 | 320.9 | Quelimane | 4895 | 61.29 |
| Nampula | 1223 | 245.2 | Nampula | 4946 | 60.65 |
| Nampula | 1358 | 220.9 | Nampula | 4958 | 60.51 |
| Porto Amélia | 1421 | 211.1 | Quelimane | 5010 | 59.88 |
| Quelimane | 3210 | 93.44 | Nampula | 7130 | 42.08 |
| Quelimane | 3310 | 90.63 | Quelimane | 7145 | 41.99 |
| Nampula | 3355 | 89.42 | Nampula | 7255 | 41.35 |
| Nampula | 3366 | 89.12 | Quelimane | 7280 | 41.21 |

**PORTO AMELIA** (Emissor Reg. de Cabo Delgado) on 1421/4875/7150kHz: **Portuguese:** W 10.30–12.00, 16.00–19.00 (exc. Wed); Sun 05.30–07.00, 10.30–12.00, 17.30–19.00 – **Macua de Medo** (African Sce): Wed 16.30–19.00; Sun 09.30–10.30, 16.00–17.30.

**NAMPULA** (Emissor Reg. do Norte): **Portuguese:** W 04.30–06.00, 09.30–12.00 on 1223/4958/7255kHz, 16.30–20.00 on 1223/3366/4958kHz; Sun 06.00–12.00 on 1223/4958/7255kHz, 16.30–20.00 on 1223/3366/4958kHz – **Macua** (African Sce): D 10.30–12.00 on 1358/4946/7130kHz, 16.30–19.00 on 1358/3355/4946kHz; Sun also 06.00–08.00 on 1358/4946/7130kHz.

**QUELIMANE** (Emissor Reg. da Zambézia): **Portuguese:** W 10.15–12.00 on 3210/4895/7145kHz, 16.30–19.30 on 935/3210kHz; Sun 08.00–12.00 on 935/4895/7145kHz, 16.00–20.00 on 935/3210/4895kHz. **Chuabo:** 17.00–18.00 (Wed/Sat/Sun 19.00) on 3310/5010kHz; Sun also 05.00–06.00 On 935/5010kHz, 10.00–11.00 on 5010/7280kHz.

**EMISSORA DO AERO CLUBE DA BEIRA (Priv, Comm.)**

**ADDR:** C.P. 3, Beira. **Te:** 2505. **Cable:** Aero. **L.P:** Dir: F. J. Silvério Moiteira.

**STATIONS** (G.C: 34.52E/18.49S): mw 5kW, sw 0.3kW.

1430kHz 210m – 3240kHz 92.59m – 7240kHz 41.44m

**HOME SCE. in Portuguese:** W 04.30–06.00, 09.30–11.30 (Sat 15.00), 15.00–21.00; Sun 05.00–21.00

On 1430kHz: as above. On 3240kHz: 15.00–16.00, 17.45–21.00. On 7240kHz: 04.30–06.00, 09.30–11.30 (Sat 15.00), 15.00–17.45 (Sun 05.00–17.45).

**Vernaculars:** 16.00–17.45 on 3240kHz.

**RADIO PAX (Rel. owned by Franciscan Fathers)**

**ADDR:** C.P. 594, Beira. **Te:** 2763. **Cable:** Radio Pax – **L.P:** St. Mrgr: Dr. M. Reis Miranda. Dir. Tec: A. Especial.

**STATIONS** (G.C: 34.52E/18.49 S)

1304kHz 230.1m 1kW – 7205kHz 41.64m 10kW – FM: 90 & 95MHz

**HOME SCE. in Portuguese:** W 04.00–05.30, 09.30–11.30, 16.00–21.00; Sun 05.00–12.00, 16.00–21.00.

**Vernaculars:** Mon-Fri 14.00–16.00, Sat 11.30–16.00, Sun 12.00–16.00.

**ANN:** "Aqui Beira, Mocambique, provincia de Portugal em Africa transmite a R. Pax, Emissora Católica" – V. by QSL-card or letter

## NIGER (Republic)

**L.T:** GMT+1h – **Pr.L:** French Vernaculars.

**RADIO NIGER (Gov.)**

**ADDR:** B.P. 361, Niamey. **Cable:** Radioniger. **Te:** 2272 – **L.P:** Dir: B. Lucas. Dir. Tec: M. Andrieux. Asst. Dir: G. Sidikou.

**STATIONS** (G.C: 02.06E/12.30N):

| kHz | m | kW | Net | kHz | m | kW | Net |
|---|---|---|---|---|---|---|---|
| 1511 | 198.4 | 1 | I | 5020 | 59.76 | 30 | II |
| 1595 | 188.0 | 0.1 | IV | 7155 | 41.92 | 4 | I/III |
| 3260 | 92.02 | 4 | I | 9705 | 30.91 | 30 | II |

**HOME SCE: Net I:** W 05.30–06.30 on 1511/3260kHz, 11.30–13.17 on 1511/7155kHz, 17.00 (Sat 15.00)—21.15 (Sat 22.30) on 1511/3260kHz. Sun 07.00–16.30 on 1511/7155kHz, 16.30–21.15 on 1511/3260kHz.

**Net II:** W 05.30–06.30 on 5020kHz; 11.30–13.17 on 9705kHz, 17.00 (Sat. 15.00)–21.15 (Sat 22.30) on 5020 kHz. Sun 07.00—16.30 on 9705kHz, 16.30–21.15 on 5020kHz.

**N: French:** 06.00 (W), 09.10 (Sun), 12.00, 17.00 (W), 18.45, 21.10. **English:** Wed, Sat 17.15 – **L.L.** (English): Mon, Tues, Thurs, Fri 17.15. **Net III:** W 06.30–11.30 on 7155kHz. **N in French:** 07.30, 09.00, 10.30. **Net IV:** W 17.00–21.15 (Sat 22.30) on 1595kHz. Sun 07.00–21.15 on 1595kHz. **N in French:** 09.10 (Sun), 12.00 (Sun), 17.00 (W), 18.45, 21.10. **Vernaculars:** Net I: 12.20, 18.00 (Djerma), 17.45 (Peulh), 20.30 (Tamachek). **Net II:** 12.30, 18.00 (Hausa), 17l30 (Beriberi). **Net III:** 09.05, 10,35 (Djerma), 09.10, 10.40 (Hausa).

**ANN:** At opening and close down "La Nigerienne". Local flute and "Ici Niamey Radiodiffusion de la République du Niger".

**INT-SIG:** Local Flute.

V. by QSL-card. Recordings accepted – **F.PL:** Mw relay st's at Tahoua Gaya, Tillabery, Goure, Mainé, Soroa – **PUB:** Prgr. schedule (weekly).

## NIGERIA (Republic of)

**L.T:** GMT+1h – **Pr.L:** English, Yoruba, Hausa, Ibo.

**THE NIGERIAN BROADCASTING CORPORATION (Statutory Corporation)**

**ADDR:** Broadcasting House, Lagos. **Te:** 26411. **Cable:** Broadcast. **L.P:** Dir. Gen: E. V. Badejo. Dir. Tec: D. M. T. Oke. Dir. External Sce: Chinua Achebe. Dir. Prgr: Y. Olumide.

**NATIONAL PRGR. (from Lagos):**

1088kHz 276m 10kW: 04.30–22.00 (Sat 23.00, Sun 05.00–22.00)
4990kHz 60.12m 20kW: 04.30–09.00, 14.00–22.30 (Sat 23.00, Sun 05.00–09.00, 14.00–22.00)
7255kHz 41.35m 10kW: 08.00–16.03 (Sun 08.00–22.00)

**N: English:** 05.00, 06.00*, 07.00, 09.00, 10.00, 11.00, 12.00*, 13.00, 14.00, 15.00*. 16.00, 17.00, 18.00**, 19.00, 20.00**, 21.00, 22.00 – * 10 min. ** 15 min; other times 3 min's summary – **Educational Prgr's in English:** D 07.45, 09.30, 10.03, 11.03, 15.30 – **N in Hausa, Ibo, Yoruba:** 08.00, 17.03, 21.03.

**WEST REG. PRGR. (from Ibadan):**

1358kHz 221m 10kW: 04.30–22.30 (Sat 23.00)
1397kHz 215m 0.25kW: as 1358kHz 1=Ijebu-Odem Warri.
3204kHz 93.64m 10kW: W 04.30–22.30 (Sat 23.00), Sun 05.00-07.08, 16.45–22.00
7285kHz 41.18m 10kW: D 07.15–16.30

**N. in English, Yoruba:** 13.30, 19.00

**NORTH REG. PRGR. (from Kaduna):**

| | | | |
|---|---|---|---|
| 1416kHz | 212m | 1kW | 04.30–22.30 (Sat 23.00) |
| 1376* – | 218 – | | 04.30–22.30 (Sat 23.00) |
| 1397† – | 214 – | | 0430.–22.30 (Sat 23.00) |
| 3326 – | 90.20 – | 7.5kW | 04.30–07.30, 16.30–22.30 (Sat 23.00) |
| 3396 – | 88.36 – | 10 – | 16.45–22.30 |
| 6175 – | 48.58 – | 20 – | 07.00–16.30 |
| 9655 – | 31.07 – | 10 – | 07.00–16.30 |

*=Kano. †=Jos, Sokoto, Ilprin, Maiduguri, Zaria, Katsina.

**N in English, Hausa:** 14.00, 19.00. **N in Fulani, Kanuri, Yoruba:** 16.00.

**Note:** Due to civil war no information available about East Reg. Prgr. (from Enugu) and Mid West Reg. Prgr (from Benin City).

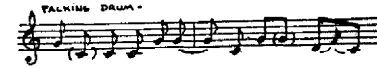
**G.C:** Lagos 03.21E/06.34N – Ikorodu (100kW): 03.56E/07.23N – Iba.dan 03.54E/07.23N – Enugu 07.27E/06.27N – Kaduna 07.25E/10.31N-

**EXTERNAL SERVICES** to No. Ea. C. and So. Africa, M. East (from Lagos): 13.00–22.00 on 7275/9690kHz (10 kW); 13.00–16.00, 17.00–22.00 on 11900kHz (100 kW), 16.00–22.00 on 15255kHz (100kW) **English:** 15.00–16.00, 17.00–19.00, 21.00–22.00. **N:** 15.00, 17.00, 21.00 – **French:** 13.00–14.00, 19.00–21.00. **N.** 13.00, 19.00 – **Arabic:** 16.00–17.00. **N:** 16.00 – **Hausa:** 14.00–15.00. **N.** 14.00.

**Note:** see last minute details.

**ANN:** "This is R. Nigeria" or "This is Voice of Nigeria".

**INT-SIG:** National prgr: Talking Drum.



V. by QSL-card. Re. will be welcomed by Chief Engineer – **PUB:** Monthly: Transmission schedules are distributed free of charge. The Nigerian Radio Times available on a subscription basis.

**EASTERN NIGERIA BROADCASTING CORPORATION**
**ADDR:** P.O. Box 350, Enugu. **Cable:** Easteller. **Te:** 2579 – Due to Civil War no details available. This organization is by printing time reported as Broadc. Corpo. of Biafra:

**RADIO TELEVISION KADUNA (Comm.)**
**ADDR:** P.O. Box 250, Kaduna, No. Nigeria. **Cable:** Radionorth. **Te:** 2294 – Dep. Chief Executive: A. Zoru. Chief Eng: G. White.
**STATIONS** (G.C: 07.33E/10.50N):
593kHz 505.9m 10/250kW – – 6090kHz 49.26m 10kW.
**HOME SCE. in English, Hausa:** 05.00–22.00 on 593/6090kHz – **N: English:** 05.30, 11.30, 14.00, 17.00, 18.45, 21.30. **Hausa:** 06.00, 12.30, 15.30, 18.30, 21.35 – **ANN:** "This is R. Television Kaduna" – **INT-SIG:** Bauchi Drums – V. by letter. Recordings accepted – **FI:** By comm. but subsidised.

**WESTERN NIGERIA RADIOVISION SERVICE (Comm.)**
**ADDR:** P.O. Box 1460, Ibadan. **Cable:** Radvision. **Te:** 24381 – **L.P:** Ag. Man. Dir. & Dir. Tec: J. O. Oyeleye. Contr. of Prgr's: A. Ogunlade. Secr: A. Oyelowo. Acting Sales Mgr. & Publ. Rel. Officer: J. O. Olagbaju.
**STATIONS** (G.C: 03.57E/ 07.24N): *Abafon: Others Ibadan.
*602kHz, 498.4m 10kW – 656kHz 457.3m 10kW
3380kHz 88.70m 10kW – 6050kHz 49.59m 10kW
**HOME SCE:** W 05.00–23.05; Sun 06.00–22.05
On 3380kHz: 05.00–07.15 (Sun 06.00–07.30) and from 16.40. On 6050kHz: 07.15 (Sun 07.30)–16.40 – **N in English:** 05.10 (W), 06.00, 07.00 (BBC), 07.10 (African), 12.00, 17.00, 20.00. Also short N every h at 09.00–23.00 – **N in Yoruba, Edo, Hausa:** 16.00 – **ANN:** "This is the Western Nigeria Broadc. Sce" or "This is WNBS, Ibadan" – **INT-SIG:** Chimes – 2 notes only (G & E) – V. by QSL-card or letter. Re. to Chief. Eng. **F.Pl.:** 50kW on 650kHz

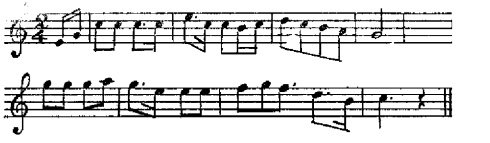
## REUNION (French)

**L.T:** GMT+4h – **Pr.L:** French.

**OFFICE DE RADIODIFF-TELEVISION FRANCAISE (ORTF)**
**ADDR:** B.P. 309, St. Denis, La Réunion. **Te:** 868 – **L.P:** Chef des Sces: R. Villeneuve. Dir. N: J. V. Dolor.
**STATIONS** (G.C: 55.30E/20.55S):

| | | | |
|---|---|---|---|
| 602kHz | 498.4m | 8kW | all times |
| 1124kHz | 266.9 m | 4kW | all times |
| 2246kHz | 122.6 m | 4kW | 02.30–05.00, 13.00–18.30 |
| 3210kHz | 93.44m | 1.5kW | all times |
| 4807kHz | 62.41m | 4kW | all times |
| 7245kHz | 41.41m | 4kW | 05.00–13.00 |

**HOME SCE. in French:** W 02.30–18.30; Sun 03.00–18.30 – **N:** W 02.30, 03.00, 03.30, 04.00, 08.30, 14.00, 15.45, 18.00, Sun 04.00, 08.30, 13.45, 18.00 – **Wrp:** W 02.59, 03.59, 14.07, 15.35; Sun 03.59, 14.00, 15.35.
**ANN:** "Ici La Réunion, office de Radiodiff-Télévision Française" – V. by letter. **Rp – INT-SIG:** "Madina" (Reunion Folklore) played on guitar. **ALF:** Frcs 30.



## RHODESIA

**L.T:** GMT+2h – **Pr.L:** English, Shona. Sindebele.

**RHODESIA BROADCASTING CORPORATION**
(Indep. Statutory Body, established by Rhodesia Act of Parliament).
**ADDR:** P.O. Box 2696, Salisbury. **Cable:** Broadcasts. **Te:** 25685 – **L.P:** Chmn. of Board: J. M. Helliwell. Dir. Gen: D. A. Stephen. Dep. Dir. Gen: J. C. Neill. Dir. African Sce: B. J. Gilbert. Dir. English Sces: J. Baldwin. Chief Eng: J. Grahame, A.M.I.E.R.E. Head News Sce: H. G. Ward. Comm. Sce: M. M. Gaven.
**STATIONS:** G=General & Comm. Sces; A=African & African Comm. Sces.

| | kHz | kW | Sce. | | kHz | kW | Sce. |
|---|---|---|---|---|---|---|---|
| Salisbury | 584 | 2 | G | Que Que | 1255 | 2 | A |
| Gwelo | 611 | 2 | G | Bulawayo | 683 | 2 | G |
| Gwelo | 710 | 2 | A | Gatooma | 791 | 1 | G |
| Ft. Victoria | 855 | 1 | G | Umtali | 890 | 2 | G |
| Salisbury | 890 | 2 | A | Bulawayo | 1340 | 2 | A |

**Short Waves:** Gwelo (G.C: 29.51E/19.26S):

| kHz | m | kW | Sce. | kHz | m | kW | Sce. |
|---|---|---|---|---|---|---|---|
| 3306 | 90.73 | 10 | A | 5975 | 50.21 | 10 | A |
| 3396 | 88.36 | 20 | G | 6020 | 49.83 | 20 | G |

**HOME SCE: General Sce:** W 03.55–21.00 (Sat 22.00), Sun 05.30–20.05.
On 3396kHz: 03.55–04.50, 16.21–20.00 (Sat. 22.00, Sun 20.05). On 6020kHz: 04.55–16.15 (Sun 05.30–16.15).
**African Sce:** 03.30 (Sun 06.00)–20.10 (Sat 22.00).
On 3306kHz: W 03.30—05.10, 16.15–20.10 (Sat 22.00). On 5975kHz: 05.15 (Sun 06.00)–16.10.
**NEWS IN ENGLISH: Gen. Comm. Sce:** 04.00 (W), 05.00 (W). 06.00**, 09.00 (Sun), 11.00, 14.00 (W), 16.00**, 17.45, 20.00.
**African Comm. Sce:** 03.45 (W), 04.00 (W), 04.20 (W), 05.00 (W), 06.00 (W), 07.00 (W), 08.00, 09.00, 10.00 (W), 11.00 14.45 (Mon-Fri), 16.00**, 17.00, 17.45, 20.00. **=SABC.
**ANN:** E: "This is the Rhodesia Broadc. Corpo" – **INT. SIG:** 5 mins prior to opening English Sce. peal of Church Bells; 5 mins prior to opening African sce, Kalimba Xylophone, drums – V. by QSL-card – **FI:** By Gov, license payments, adv – **ALF:** £6 (radio + TV), £2 (radio only).

## RWANDA (Republic of)

**L.T:** GMT+2h –**Pr.L:** Kinyarwanda, Swahili, French, English.

**RADIODIFFUSION DE LA REPUBLIQUE RWANDAISE (Gov.)**
**ADDR:** B.P. 83, Kigali. **Te:** 442. **Cable:** Radiowanda. **L.P:** Chief of Inf. Sce: N. Buregeya.
**STATION** (G.C: 30.04E/01.57S): 6055kHz 49.55m 50kW.
**HOME SCE. in Kinyarwanda, Swahili, French and English:** 03.30–07.00, 09.00–12.00 (Sat/Sun 13.30), 13.30–21.00.
**N in French:** 04.30, 05.30, 11.00, 15.45, 18.00, 20.00.
**N. in Kinyarwanda:** 04.00, 05.00, 10.30, 16.00, 17.00, 19.50. **N in Swahili:** 03.35, 09.45, 14.15, 17.15.
**ANN:** "Ici Kigali, Station Nationale de Radiodiff. de la République Rwandaise" – **INT-SIG:** Inanga (local harp) – V. by QSL-card. Rp. Recordings accepted. – **PUB:** Prgr. schedule free.

DEUTSCHE WELLE RELAY STATION AFRICA
**ADDR:** Kigali – **STATIONS:** One tr. 250kW (G.C: 30.07E/01.53S)

| kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|
| 9565 | 31.36 | 11905 | 25.20 | 15380 | 19.50 |
| 9735 | 30.82 | 15245 | 19.68 | 17765 | 16.89 |
| 11785 | 25.46 | | | | |

**D.PRGR:** 03.00–03.30 & 03.45–05.30 on 9565kHz, 05.45–07.45 on 11905kHz, 10.45–11.45 on 11785kHz, 12.00–14.00 on 17765kHz, 14.00–14.45 on 15245kHz, 15.00–17.30 on973 5kHz, 17.45–20.15 on 17765kHz, 20.30–23.30 on 15380kHz.
**English:** 04.30–05.00, 05.45–06.30, 10.45–11.00, 12.00–12.45, 16.45–17.30, 17.45—18.45. **German:** 20.00–23.00.

## SAHARA (Spanish)

**L.T:** GMT – **Pr.L:** Spanish, Vernaculars.

**RADIO SAHARA (Gov.)**
**ADDR:** Apartado 7, Aaiun – **L.P:** Dir: J. Zahonero Díaz. Dir. Prgr's & Adm: S. Valdueza Ayala – **STATION:** 651kHz 460.8m 5kW.
**HOME SCE:** 09.00–16.00, 20.00–23.00. **Spanish:** 09.00–15.00, 21.00-23.00. **Hasania:** 15.00–16.00. **N in Spanish:** 13.30, 14.30, 21.00 – **ANN:** "EAJ 103, Radio Sahara" – V. by QSL-card and letter. Recordings accepted.

## SAO TOME E PRINCIPE (Port W. Africa)

**L.T:** GMT – **Pr.L:** Portuguese.

**RADIO CLUBE DE SAO TOME (Comm.)**
**ADDR:** Av. Infante D. Henrique, C.P. 44, São Tomé. **Te:** 530 – **L.P:** Pres: R. S. de Almeida Carvalho. Dir. Tec: F. R. Teixeira.
**STATIONS:** 749kHz 400m 5kW – 4807.5kHz 62.41m 1kW.
**HOME SCE:** W 06.00–07.30, 12.00–14.00, 17.00–22.30. Sun 08.00–22.30 – N: 06.45, 12.30, 19.30, 22.15 – Mbg (DX-QSL): Sat 20.00 (fortnightly) – **ANN:** "Aqui Portugal, Provincia de S. Tomé e Principe, fala-vos o R. Clube de S. Tomé transmitindo na . . ." – V. by QSL-card. Rp. Prgr. schedule free.
**FOREIGN SCE:** "A Voz do Ocidente" (The Voice of the West): 21.00–22.30 in French & English on 4807.5kHz 1kW (relay from Radio Portugal) – **ALF:** 100 Escudos.

## SENEGAL (Republic)

**L.T:** GMT – **Pr.L:** French, Ouolof, Sérére, Toucoulour, Portuguese.

**RADIODIFFUSION DU SENEGAL (Gov.)**
**ADDR:** B.P. 1765, Dakar. **Cable:** Radio Sénégal. **Te:** 32072 – **L.P:** Dir.:Gen: A. Diack. Asst. Dir: A. Fall. Dir. Tec: M. M'baye.
**STATIONS** (G.C: 17.26W/14.39N):

| kHz | m | kW | Net | kHz | m | kW | Net |
|---|---|---|---|---|---|---|---|
| 764 | 392.6 | 200 | II | 9720 | 30.86 | 25 | II |
| 1538 | 196.0 | 10 | I | 9720 | 30.86 | 10 | I |
| 4890 | 61.35 | 25 | II | 15115 | 19.85 | 100 | I |
| 7210 | 41.61 | 4/100 | I | | | | |

**R. SENEGAL – INTER:** 06.00–24.00 on 1538kHz; On 7210kHz (4kW): 06.00–08.00, 18.00–24.00; To We. & Ce. Africa: 06.00–10.00 on 9720kHz (100kW), 10.00—24.00 on 15115kHz **Portuguese:**

18.00–18.20; Arabic: 18.20–18.40; English: 18.40–19.00.
R. SENEGAL II: 06.00–24.00 – On 764kHz: as above. On 4890kHz: 06.00–10.00, 18.00–24.00; On 9720kHz: 10.00–18.00 – N. in French (R. Senegal I + II): W 07.00, 07.55, 12.00, 13.00, 13.55, 19.00, 20.00, 22.15, 23.55,. Sun 08.30, 13.00, 19.00, 20.00, 22.15, 23.55.
Reg. st's: St. Louis (Sénégal III) 1484kHz 202.2m 1kW: W 06.00–08.00, 12.00–14.00, 18.15–22.30. Ziguinchor (Sénégal IV) 3336kHz 88.89m 4kW – 6070kHz 49.42m 4kW (G.C: 16.16W/12.36N): 12.00–14.00, 18.00–21.30 on 3336kHz, Sat/Sun 17.30–21.30 on 3336/6070kHz.
ANN: F: "Ici Sénégal Inter émettant de Dakar sur . . ." – "Ici Sénégal II Chaine Nationale émettant de Dakar". E: "This is the English prgr. of the international Sce. of the Senegalese Broadc. System" – INT-SIG: Melody on "khora" (local harp) – V. by QSL-card. Rp –

## SEYCHELLES (British)

L.T: GMT+4h – Pr.L: English, French, Creole.

**RADIO SEYCHELLES**
ADDR: Dept. of Inf. & Broadc, P.O. Box 92, Victoria. Te: 447. L.P: Dir: W. P. Moss. Mgr: E. C. Passmore CBE, AMIEE.
STATION: ZCQ3 1336kHz 0.5kW – HOME SCE: 13.15 (Sat/Sun 14.15) –16.30. N: English (local) W 14.15, Sat 16.15; BBC: 16.00. Creole: W 16.15 (Sat after local N in English) – ANN: E: "This is R. Seychelles" – PUB: Prgr. schedule free.

## SIERRA LEONE

L.T: GMT – Pr.L: English, Mende, Temne, Krio.

**SIERRA LEONE RADIO & TELEVISION (Gov.)**
ADDR: New England, Freetown. Te: 4711. Cable: Broadcast.
L.P: Dir: A. H. Khanu. Dep. Dir: P. F. George.
STATIONS (G.C: 13.14W/08.30N):
1200kHz 250m 10kW – 3316kHz 90.46m 5/10kW – 5980kHz 50.17m 0.5kW. – HOME SCE: Mon-Fri: 06.00–10.15, 13.00–13.30, 15.00–23.05; Sat: 06.00–11.15, 13.00–23.05; Sun: 06.00–09.30, 13.00–23.05. N in English: 07.00 (BBC), 16.00 (R. Moscow), 20.00 (BBC). Nat N: 06.40 (Vernaculars, English), 22.00 (English) – African Magazine: Fri 21.00. ANN: "This is the Sierra Leone Broadc. Sce" – INT-SIG: "The rain is coming" played by Military band – V. by letter.

## SOMALI (Rep.)

L.T: GMT+3h – Pr.L: Somali, Arabic, Italian, Swahili, English.

**NATIONAL BROADCASTING STATION (Gov.)**
ADDR: Voice of the Somali Republic, Mogadiscio. Te: 444.
STATIONS (G.C: 45.20E/02.02N):
6105kHz 49.14m – 9590kHz 31.28m 10kW – HOME SCE: 03.00–05.00, 09.30–11.30, 12.00–15.30, 16.30–19.00 – Somali: 03.00–03.15, 03.30–03.45, 04.00–05.00, 08.00–11.30, 12.00–15.00, 16.30–17.30, 18.45–19.00. N 03.30, 08.10, 10.00, 13.00, 17.00, 18.50 – English: 03.15–03.30, 18.00–18.30, N: 03.15, 18.00 – Arabic: 03.45–04.00, 17.30–18.00. N: 03.45, 17.30 – Italian: 10.45–11.00, 18.30–18.45. N: 10.45, 18.30 – Swahili: 15.00–15.30. N: 15.10 – ANN: "Halkan wa Mogadiscio". E: "This is R. Mogadiscio, the Voice of the Somali Republic". I: "Qui parala la R. Mogadiscio, la Voce della Repubblica Somala" – INT-SIG: Guitar – V. by QSL-card.

**RADIO SOMALI (Gov.)**
ADDR: Reg. Information Office, P.O. Box 14, Hargeisa. Te: 155.
STATIONS (G.C: 44.03E/09.33N):
7120kHz 42.13m 10kW – 11640kHz 25.77m 5kW.
HOME SCE. in Somali: 09.00–09.30 (Fri only), 11.00–13.30, 15.00–16.30. N in Somali 12.00, 15.30 – ANN: "Halkani Wa R. Hargeisa, Odki Gamhoriyada Somalida" – INT-SIG: March – V. by QSL-card.

## SOUTH AFRICA (Republic)

L.T: GMT+2h Pr.L: English, Afrikaans, Bantu (S. Sotho, Zulu, Tswana, Xhosa, N. Sotho, Venda, Tsonga).

**SOUTH AFRICAN BROADCASTING CORPORATION**
ADDR: P.O. Box 8606, Johannesburg. Cable: Broadcast. Te: 231151.
L.P: Chmn: Dr. P. J. Meyer. Dir. Prgr's: C. D. Fuchs. Dir. Management: J. N. Swanepoel. Chief Eng: H. O. Collett. Head, Public Rel: N. J. Naudé. Head External Sce's: J. A. Jooste. Head, English Sce: A. Falkiner. Head Afrikaans Sce's: P. F. M. de Bruyn. Head, Comm. Sce's: J. Siebert. Asst. Dir's: Gen. Sce's: P. J. Bothma; Bantu & External Sce's: S. M. de Villiers. Afrikaans & English Sce's: J. H. T. Schutte. Springbok Radio: H. J. Howell. Asst. Chief Engineers: D. Mills (Studios). F. F. Velleman (tr's) Asst. Dir. Adm: G. A. de Bruyn.
HOME SERVICES: National Medium-Waves: 0.5/1/2/5/10kW.

| | kW | English kHz | Afrikaans kHz | Comm. kHz |
|---|---|---|---|---|
| Johannesburg | | | | |
| West Rand | 2 | 638 | 719 | 575 |
| East Rand | 5 | 1034 | 827 | 1286 |
| Pretoria | 2 | 1439 | 1097 | 1268 |
| Bloemfontein | 5 | 674 | 593 | 782 |
| Kimberley | 0.25 | 1070 | 1241 | 962 |
| Grahamstown | 2 | 620 | 701 | 809 |
| Port Elizabeth | 5 | 1313 | 1043 | 1178 |
| East London | 2 | 683 | 791 | 602 |
| Cape Town | 5 | 656 | 557 | 728 |
| Durban | 2 | 566 | 692 | 800 |
| Pietermaritzburg | 2 | 764 | 665 | 845 |
| Pietersburg | 5 | 1115 | 863 | 989 |

| FM-SERVICES: | kW | English MHz | Afrikaans MHz | Springbok MHz | Reg. Comm. MHz |
|---|---|---|---|---|---|
| Johannesburg | 10 | 95.51 | 103.42 | 99.47 | 87.60a |
| Welverdiend | 3 | 93.71 | 89.75 | 97.66 | 107.9a |
| Rustenburg | 3 | 102.99 | 106.95 | 95.08 | – |
| Pretoria | 5* | 88.98 | 96.89 | 92.93 | 90.01a |
| Durban/Pietermaritzb. | 10 | 90.01 | 105.83 | 93.96 | 101.9c |
| Constantiaberg | 3 | 89.49 | 105.32 | 97.40 | 101.36b |
| Table Mountain | 0.25 | 106.69 | 102.74 | 90.87 | 98.78b |
| Port Shepstone | 3 | 102.65 | 90.78 | 98.69 | 94.74c |
| Cala | 0.8** | 95.86 | 103.72 | 99.81 | – |
| Umtata | 0.8** | 97.66 | 93.71 | 89.75 | – |
| Port Elizabeth | 3 | 103.51 | 99.55 | 87.69 | – |
| Grahamstown | 3 | 93.45 | 101.36 | 89.49 | – |
| Keiskammahoek | 3 | 100.59 | 92.67 | 104.54 | – |
| East London | 3 | 107.12 | 95.25 | 91.30 | – |
| Bloemfontein | 3 | 103.94 | 88.12 | 96.03 | 107.90a |
| Theunissen | 3 | 103.17 | 99.21 | 107.12 | 95.25a |
| Napier | 3 | 99.21 | 95.25 | 103.17 | 107.12b |
| Butterworth | 3 | 102.39 | 98.44 | 106.35 | – |
| Kroonstad | 3 | 90.52 | 94.48 | 102.39 | 98.44a |
| Greytown | 3 | 107.21 | 103.25 | 91.38 | 99.30c |
| Kimberley | 3 | 106.09 | 102.13 | 98.18 | 94.23a |
| Piketberg | 3 | 99.81 | 95.86 | 107.72 | 91.90b |
| Piet Retief | 3 | 89.84 | 93.79 | 101.70 | – |
| Vryheid | 3 | 102.48 | 98.52 | 94.57 | – |
| Villiersdorp | 3 | 94.48 | 102.39 | 90.52 | 98.44b |
| Queenstown | 3 | 94.05 | 90.09 | 101.96 | – |
| Middelburg (Tvl) | 3 | 90.78 | 106.61 | 94.74 | – |
| Eshowe | 3 | 105.06 | 101.10 | 89.23 | 97.15c |
| Boesmanskop | 3 | 104.37 | 92.50 | 88.55 | – |
| Ladybrand | 3 | 89.92 | 101.79 | 105.75 | – |
| The Brook | 3 | 95.17 | 91.21 | 99.12 | – |
| Davel | 3 | 93.36 | 89.41 | 97.32 | – |
| Mooiriver | 3 | 105.40 | 97.49 | 89.58 | 101.45c |
| Senekal | 3 | 101.02 | 97.06 | 93.10 | – |
| Riversdale | 3 | 104.20 | 96.29 | 92.33 | – |
| Volksrust | 3 | 95.94 | 91.99 | 99.90 | – |
| Bedford | 3 | 102.74 | 98.78 | 94.82 | – |
| Mount Ayliff | 3 | 92.93 | 88.98 | 96.89 | – |
| Nelspruit | 3 | 90.44 | 102.31 | 94.39 | – |
| Potgietersrust | 3 | 103.25 | 95.34 | 107.21 | – |
| Zeerust | 3 | 89.32 | 105.14 | 93.28 | – |
| George | 3 | 102.05 | 106.01 | 90.18 | – |
| Sea Point | 0.05 | 101.97 | 98.01 | 105.92 | – |
| Beaufort West | 3 | 104.46 | 92.59 | 100.50 | – |
| Aliwal North | 3 | 89.32 | 101.19 | 93.28 | – |
| Dullstroom | 3 | 88.63 | 104.46 | 92.59 | – |
| Bethlehem | 3 | 94.91 | 98.87 | 106.78 | – |
| Paarl | 0.25 | 104.56 | 100.59 | 88.72 | 96.63b |
| Fort Mistake | 3 | 106.67 | 104.63 | 96.72 | – |
| Durban North | 0.25 | 87.86 | 107.64 | 91.81 | 99.73c |
| Matjiesfontein | 3 | 101.62 | 93.71 | 105.57 | – |
| Cradock | 3 | 96.20 | 92.24 | 88.29 | – |
| Noupoort | 3 | 93.62 | 105.49 | 97.58 | – |

* Reg. Comm. Sce. 0.8kW – ** Springbok R. 3kW.

National Shortwave Stations (Paradys) 20kW (G.C: 26.13E/29.13S):

| English Sce. kHz | m | Afrikaans Sce. kHz | m | Comm. Sce. kHz | m | R. So. Africa kHz | m |
|---|---|---|---|---|---|---|---|
| 4965 | 60.42 | 4875 | 61.53 | 4945 | 60.67 | 4945 | 60.67 |
| 6095 | 49.22 | 6005 | 49.96 | 6150 | 48.78 | 6150 | 48.78 |
| 9680 | 30.99 | 9650 | 31.09 | 9720 | 30.86 | | |
| 11840 | 25.34 | 11805 | 25.41 | 11865 | 25.28 | | |

Wave bands in use and times of operation on various freq's are changed to suit propagation conditions.

INTERNAL SHORTWAVE SCHEDULE

| Times | English kHz | Afrikaans kHz | Comm. Sce. kHz |
|---|---|---|---|
| 04.30–05.00* | 4965.6095 | 4875.6005 | 4945.6150 |
| 05.00–06.00 | 6095,9680 | 6005,9650 | 6150,9720 |
| 06.00–15.00 | 9680.11840 | 9650,11805 | 9720,11865 |
| 15.00–18.00 | 6095,9680 | 6005,9650 | 6150,9720 |
| 18.00–21.15** | 4965,6095 | 4875,6005 | 4945,6150 |

*) Comm. Sce: 03.00 – **) Comm, Sce: 22.00.
English Sce: W 04.30–21.15 (Sat 22.05), Sun 05.00–21.15. N: 05.00 (W), 06.00, 09.00 (W), 11.15, 14.00 (W), 16.00, 17.00 (W), 19.00, 21.00. Reg. N: 11.25 (W), 17.10 (W). Greek: Sun 08.00–08.20. Portuguese: Sun 08.20–08.40. Indian Prgr: (in English) on 566/764kHz: Sat: 11.45–12.00, Sun 06.30—07.30.

**Afrikaans Sce:** W 04.30–21.15 (Sat 22.05), Sun 05.00–21.15. **N:** 04.45 (W), 06.00, 09.00 (W), 11.15, 14.00 (W), 16.00, 17.00 (W), 19.00, 21.00. **Reg. N:** 11.25 (W), 17.10 (W). **German:** Mon 20.20–20.40. **Italian:** Mon 20.40–21.00.
**Springbok Radio** (Comm. Sce.) in English, Afrikaans: 03.00 (Sun 04.00) –22.00. **N. English:** 04.30 (W), 05.00 (Sun), 05.30 (W), 09.29 (W), 11.00, 14.29 (W), 17.00 (W), 20.30 (W). **Afrikaans:** 03.45 (W), 06.30 (Sun), 19.30 (Sun).
**Reg. Comm. Sce. in English, Afrikaans:** 03.00 (Sun 04.00) –22.00 (a) R. Highveld (b) R. Good Hope (c) R. Port Natal – **N: English:** 05.00, 07.00, 09.00, 11.00, 13.00, 15.00, 17.00, 19.00, 21.00, **Afrikaans:** 04.00, 06.00, 08.00, 10.00, 12.00, 14.00, 16.00, 18.00 20.00.
**R. South Africa All Night Sce. (Comm.) in English, Afrikaans:** D 22.00–03.00 (Sun 04.00). **N: English:** 02.45, **Afrikaans:** 22.01 on all Reg. Comm. Sce. FM fqs. and also on all mw & FM fqs. of Springbok plus sw 4945/6150kHz.
**Special tr. (Meat Prices):** W 19.20–19.40 on 4860/6075kHz (Afrikaans: Mon/Wed/Fri; English: Tues/Thurs/Sat).
**ANN:** E: "This is the English Sce. of R. South Africa". Afrikaans: "Dit is die Afrikaanse diens van R. Suid-Afrika".Springbok R: "This is the National Netw. of Springbok R. your st. for brighter broadc.
**INT-SIG:** English Sce: Dove-Call. Afrikaans Sce: Musical box "Ver in die Wereld Kittie" at 04.28 (on sw) followed by Dove-Call. Springbok R: Opens and closes with an orchestral arrangement of the folk tune "Vat you goed en trek Ferreira": Gong.

**RADIO BANTU** (FM Sce. in Vernaculars):

| | kW | MHz | | kW | MHz |
|---|---|---|---|---|---|
| **So. Sotho** | | | | | |
| Johannesburg | 10 | 91.56 | Ladybrand | 3 | 93.88 |
| Welverdiend | 3 | 101.62 | Senekal | 3 | 89.15 |
| Bloemfontein | 10 | 92.07 | Rustenburg | 3 | *99.04 |
| Theunissen | 3 | 91.30 | Pretoria | 3 | *100.84 |
| Kroonstad | 3 | 106.35 | Aliwal North | 3 | 105.14 |
| Boesmanskop | 3 | 100.41 | Bethlehem | 3 | 102.82 |
| **Tswana** | **kW** | **MHz** | | **kW** | **MHz** |
| Welverdiend | 3 | 105.57 | Bloemfontein | 10 | 99.98 |
| Rustenburg | 3 | 99.04 | Kimberley | 3 | 90.27 |
| Pretoria | 5 | 100.84 | Zeerust | 3 | 97.23 |
| **No. Sotho** | **kW** | **MHz** | | **kW** | **MHz** |
| Pretoria | 5 | 104.80 | Potgietersrust | 3 | 99.30 |
| Middelburg (Tvl) | 3 | 98.69 | Duiistroom | 3 | 96.54 |
| **Zulu** | **kW** | **MHz** | | **kW** | **MHz** |
| Durban/ Pietermaritzburg | 10 | 97.92 | The Brook | 3 | 103.08 |
| Johannesburg | 10 | 107.38 | Davel | 3 | 105.23 |
| Port Shepstone | 3 | 106.61 | Mooiriver | 3 | 93.53 |
| Greytown | 3 | 95.34 | Volksrust | 3 | 88.03 |
| Piet Retief | 3 | 105.66 | Nelspruit | 3 | 98.35 |
| Vryheid | 3 | 90.61 | Fort Mistake | 3 | 88.80 |
| Middelburg (Tvl) | 3 | 102.65 | Durban No. | 0.25 | 95.77 |
| Eshowe | 3 | 93.19 | Duiistroom | 3 | 100.50 |
| **Xhosa** | **kW** | **MHz** | | **kW** | **MHz** |
| Constantiaberg | 3 | 93.42 | Butterworth | 3 | 90.52 |
| Table Mt. | 0.25 | 94.82 | Queenstown | 3 | 105.92 |
| Pt.Shepstone | 3 | 94.74 | Bedford | 3 | 90.87 |
| Cala | 3 | 91.90 | Mt. Ayliff | 3 | 100.84 |
| Umtata | 3 | 105.57 | Aliwal North | 3 | 97.23 |
| Pt. Elizabeth | 3 | 91.64 | Cradock | 3 | 104.11 |
| Grahamstown | 3 | 105.32 | Rocklands | 0.05 | 90.09 |
| Veiskammahoek | 3 | 88.72 | Nouport | 3 | 101.53 |
| East London | 3 | 103.17 | Paarl | 0.25 | 92.67 |

*=08.40–15.00.
**So. Sotho/Zulu/Xhosa:** W 03.00–21.00; Sun 04.00–20.30.
**Tswana/No. Sotho:** 03.00 (Sun 04.00) –08.40, 11.30–11.40, 15.00–21.00 (Sun 20.30). Special prgr. to Lesotho: Sat 03.00–03.35.

## EXTERNAL SERVICES

### RADIO RSA — "THE VOICE OF SOUTH AFRICA"

**Stations:** H.F. Verwoed station 4 × 250kW tr's (Brown Boveri) (G.C: 28.08E/26.35S):

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 9525 | 31.50 | 11875 | 25.26 | 17790 | 16.86 | 21535 | 13.93 |
| 9650 | 31.09 | 11900 | 25.21 | 17805 | 16.85 | 25730 | 11.65 |
| 9705 | 30.91 | 15220 | 19.71 | 21500 | 13.95 | 25820 | 11.61 |
| 11785 | 25.46 | 15245 | 19.68 | | | | |

I=Kenya/Uganda/Tanzania; II=Middle East; III=Rhodesia/Zambia/Malawi; IV=Libya/Egypt/Jordan; V=Congo; VI=Moçambique; VII=Angola; VIII=Morocco/Algeria/Tunisia; IX=Ghana/Nigeria; X=Africa General; XI=Congo/Morocco/Algeria/Tunisia/Cameroon/Gabon/Niger; XII=UK/Europe; XIII=Canada (Eastern); XIV=USA (Eastern & Central); XV=Canada (Central); XVI=USA/Canada (Western); XVII=Cameroon/Gabon/Niger.

| Times | Areas | Nov-March (kHz) | Language |
|---|---|---|---|
| *03.56–04.12 | I/III | 9525/11900 | |
| | | 15220/17805 | Zulu/Swahili |
| *04.13–04.27 | I | 15220/17805 | English |
| *04.28–04.42 | IV | 15220/17805 | English |
| *04.43–04.57 | I | 15220/17805 | Afrikaans |
| *04.58–05.12 | III | 9525/11900 | English |
| *05.13–05.27 | IV | 15220/17805 | English |
| *05.30–05.42 | V/XVIII | 17805/21535 | French |
| *05.45–05.57 | VI | 9525/11900 | Portuguese |
| *06.00–06.12 | III | 9525/11900 | Afrikaans |
| *06.15–06.27 | VII | 17805/21535 | Portuguese |
| *06.30–06.42 | VIII | 17805/21535 | French |
| *06.45–06.57 | IX | 15220/17805 | English |
| **08.00–09.58 | I/III | 11900/15220/21535 25730 | Afrikaans |
| 10.00–14.55 | X | 15220/21535/25730 25730 | English/Afrikaans |
| 15.00–15.55 | I/III | 11900/15220/21535 25730 | Zulu/Swahili |
| 16.00–16.55 | III | 11900/15220 | English |
| 16.00–16.55 | VI | 9650/11785 | Portuguese |
| 17.00–17.55 | IV | 21535/25730 | English |
| 17.56–18.55 | I | 17790/21535/25730 | English |
| 18.00–18.55 | XII | 21500/25820 | French |
| 19.00–19.55 | XII | 17790/21500 | English |
| 18.56–19.55 | XI | 17805/25820 | French |
| 20.00–20.55 | VII | 15220/15245 | Portuguese |
| 20.30–21.25 | XII | 17790/21500 | German |
| 20.56–21.55 | IX | 17805/25820 | English |
| 21.30–22.25 | XII | 15245/21500 | Dutch |
| 22.30–23.25 | XII | 11785/15245 | Portuguese |
| 23.30–00.25 | XIII | 15220/17805 | English |
| 00.30–01.25 | XIV | 11875/15220 | English |
| 01.30–02.25 | XV | 11875/15220 | English |
| 02.30–03.25 | XVI | 9705/11875 | English |

*=W only. **=Sun only.
**NEWS: English:** 04.15 (W), 04.30 (W), 05.00 (W), 05.15 (W), 06.45 (W), 11.15, 16.00, 16.52, 17.00, 17.52, 18.00, 18.52, 19.00, 19.52, 21.00, 21.52, 23.30, 00.22, 00.30, 01.22, 01.30, 02.22, 02.30, 03.22. **French:** 05.30, 06.20, 18.00, 18.52, 19.00, 19.52. **German:** 20.30, 21.22. **Dutch:** 21.30, 22.22. **Portuguese:** 05.45, 06.15, 16.00, 16.52, 20.00, 20.52, 22.30, 23.22.

### SOUTHWEST AFRICA SERVICE

**H. F. Verwoerd Station:** 2 × 100kW tr's (Telefunken).
**Stations:** (G.C: 28.08E/26.35S).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 7185 | 41.75 | 9570 | 31.35 | 11735 | 25.56 | 15365 | 19.52 |

| Times | kHz | Times | kHz |
|---|---|---|---|
| 04.28–05.30 | 7185, 9570 | 18.15–20.00 | 9570, 11735 |
| 05.30–06.30 | 11735, 9570 | 20.00–21.15 | 7185, 9570 |
| 06.30–18.15 | 11735, 15365 | | |

**English:** Mon-Fri 06.00–08.30, 11.35–14.00, 19.00–21.15: Sat 04.30–11.25, 19.00–22.05; Sun 11.25–19.00 – N: W 05.00 (Sat), 06.00, 11.15 (Sat), 19.00, 21.00. Sun 16.00 – **Reg.N:** 19.15 (W).
**Afrikaans:** Mon-Fri 04.30–06.00, 08.30–11.35, 14.00–19.00; Sat 11.25–19.00; Sun 05.00–11.25, 19.00–21.15 – N: Mon-Fri 04.45, 09.00, 11.15, 14.00, 16.00, 17.00; Sat 16.00, 17.00; Sun 06.00, 11.15, 19.00, 21.00 – **Reg. N:** 11.25 (W) – **German:** 17.10 (W). **ANN:** "This is Radio RSA, the Voice of South Africa" – **INT-SIG:** Call of Bokmakierie, South African bird, mixed with tune of "Ver in die Wêreld Kittie" – V. by QSL-card.

## SUDAN

**L.T:** GMT+2h – **Pr.L:** Arabic.

### SUDAN BROADCASTING SERVICE (Gov.)

**ADDR:** P.O. Box 572, Omdurman. Cable: Izaa–L.P: Sen. Contr: M. S. Fahm, Ag. Sen. Contr: M. El Obeid.
**STATIONS** (G.C: 32.28E/15.30N): 50kW (mw) /20kW (sw); 960kHz 312m – *4945kHz 60.67m – 9508kHz 31.55m *variable.
**HOME SCE: Arabic:** 04.00–06.00, 12.00–13.00, 14.00–21.00 (Fri 08.00–21.00) – **N: Arabic:** 04.30, 06.00, 12.30, 13.15**; 15.00, 17.00, 20.45 (** simplified Arabic for So. provinces). – **Local Prgr for So. Sudan:** 13.00–13.40 – **European Prgr:** 13.40–14.00.
**ANN:** Arabic: "Huna Omdurman". E: "This is the Sudan Broadc. Service" – V. by letter.

## SWAZILAND (Brit. Protectorate)

**SWAZILAND (Brit. Protectorate)**
**L.T:** GMT+2h – **Pr.L:** English, Vernaculars.

### SWAZILAND BROADCASTING SERVICE (Gov.)

**ADDR:** P.O. Box 338, Mbabane. **Te:** 761 – **L.P:** Dir. of Broadc: I.B. Aers. Dir. Tec: C. Rawley.
**STATION:** 881kHz 10kW – **HOME SCE:** 04.00–06.00 (Music), 10.00–10.30 (Schools), 10.30–11.45 (Music & BBC Relay), 15.30–19.20 (Siswati & English); **BBC News:** 05.00, 11.00, 16.00 – **ANN:** "Lena Swajiland Broadc. Service". "This is the Swaziland Broadc. Service" – V. by letter – **ALF:** £0/15/0.

## TANZANIA

**L.T:** GMT + 3h – **Pr.L:** Swahili, English.

### RADIO TANZANIA (Gov.)

**ADDR:** P.O. Box 9191, Dar es Salaam. **Te:** 63342. **Cable:** Sauti.
**L.P:** Dir. of Broadc: M. Kiama. Prgr. Officer: S. Mlatie. Press Officer: A. Chechc.

**STATIONS** (G.C: 39.14E/06.50S):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 638 | 470.2 | 100 | 4785 | 62.70 | 10 | 7280 | 41.21 | 10 |
| 836 | 358.9 | 1.25 | 5050 | 59.41 | 20 | 9530 | 31.48 | 20 |
| 1025 | 292.7 | 1.25 | 5985 | 50.12 | 100 | 9550 | 31.41 | 100 |
| 1250 | 240.0 | 1.25 | 7165 | 41.87 | 20 | 15435 | 19.44 | 100 |
| 3251 | 92.58 | 5 | | | | | | |

**HOME SCES:**
**SWAHILI SCE:** W 03.00–05.00 on 836/3251kHz, 09.00–11.00 on 836/9530kHz, 11.00–14.30 on 836/9550kHz, 14.30–20.00 on 836/3251/5985kHz; Sun 03.00–07.00 on 836/3251/5050kHz, 07.00–11.00 on 836/950kHz, 11.00–14.30 on 836/9550kHz, 14.30–20.00 on 836/5985.kHzN: 04.00*, 10.00, 13.00, 15.00, 17.00*, 19.00 (* = including wrp).
**ENGLISH SCE:** W 09.00–11.00 (Sat 14.30) on 1025/7280kHz, 16.00 (Sat 14.30)—19.00 on 1025/4785kHz. Sun 05.00–14.30 on 1025/7280 kHz, 14.30–19.00 on 1025/4785kHz. **N:** 05.00* (Sun), 10.00, 16.00*, 18.00 (* = including wrp).
**Adult Education Prgr.** (Swahili and English): Mon-Fri 14.00–16.00 on 1025/4785kHz – **N:** 14.00, 15.00.
**COMMERCIAL SCE** (Swahili): 03.00–05.00 on 638/5985kHz, 09.00–11.00 on 1250/9550kHz, 14.00–20.00 on 638/5050kHz. **N:** 04.00*, 10.00, 13,00, 15.00, 17.00, 19.00* (* = including wrp).
**For schools:** Mon-Fri 07.30–09.00, 12.00–13.00 on 836/9530kHz; Sat 05.30–06.30 on 836/5985kHz, 06.30–07.00 on 836/9550kHz. **N:** Mon-Fri 07.05, 12.25, Sat 05.30.
**EXTERNAL SCE. in English, Comoro, Shona, Ndebele, Portuguese, Sena, Zule, Ovambo, Herero:** 18.00–20.00 on 15435kHz. **N:** English 18.00,
**ANN:** E: "This is Radio Tanzania, Dar es Salaam". Swahili: "Hii ni Radio Tanzania, Dar es Salaam".
**INT-SIG:** Celeste:

**V.** by QSL-card – **FI:** By Gov and Adv – **ALF:** £1/-/-.

### RADIO TANZANIA ZANZIBAR (Gov.)

**ADDR:** P.O. Box 1178, Zanzibar, Tanzania. **Te:** 2928. **Cable:** Broadcasts – **L.P:** Chief Inf. & Broadc. Officer: J. R. Nasibu. Dir. Tec: M. A. Suleiman. Broadc. Officer. J. C. Asama.
**STATIONS** (G.C: 39.12E/06.09S): 600kHz 500m 2kW – 3339kHz 89.80m – 4795kHz 62.54m – 6005kHz 49.96m – 9550kHz 31.41m (all 10kW).
**HOME SCE. in Swahili:** 03.30–04.30, 11.00–12.00, 14.30–19.30 (Sun also 07.00 – 11.00) – **ANN:** "Hii ni R. Tanzania Zanzibar" – **INT-SIG:** Musical Chords – **ALF:** £0/10/0.

## TOGO (Republic)

**L.T:** GMT – **Pr.L:** Ewe, Cotocolis, Cabrais, Hausa, Moba, Bassari.

### RADIODIFFUSION DU TOGO (Gov.)

**ADDR:** B.P. 434, Lomé. **Te:** 2492. **Cable:** Radio Togo – **L.P:** Dir: G. Ekue. Dir. Tec: L. Poenou.
**STATIONS** (G.C: 01.12E/06.16N):

| kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|
| 1394 | 215.0 | 1 | 7265 | 41.29 | 4/100 |
| 5047 | 59.44 | 4/100 | 3222 | 93.10 | 4/100 |

**HOME SCE. in French, Vernaculars:** W 05.30–08.00, 17.30–23.00 on 1394 / 3222 / 5047kHz; 12.00 – 14.00 (Sat 17.30) on 1394 / 5047 Sun 06.00–10.00, 17.30–23.00 on 1394/3222/5047kHz, 10.00–17.30 on 1394/5047/7265kHz. **N: French:** 05.35 (W), 06.03 (Sun, 06.30 (W), 07.30 (Sun), 07.57 (W), 10.08 (Sun), 12.30, 13.57, 17.30 (W), 19.30, 22.15, 22.57. **Vernaculars:** 06.00, 06.05 (W), 13.00, 13.10, 17.35, 17.45, 17.55, 18.05, 18.15, 18.35. Sun 13.00, 13.10, 18.15, 18.35. **English:** 12.45, 21.00.
**ANN:** "Ici Lomé Radiodiffusion du Togo". At opening and close down: Hymne Togolais – **V.** by QSL-card. Rp. Re. in F, E. Recordings accepted – **PUB:** Prgr. sched. (Weekly) – **ALF:** CFA 500,–.

## TUNISIA

**L.T:** GMT + 1h – **Pr.L:** Arabic.

### RADIODIFFUSION TELEVISION TUNISIENNE (Gov.)

**ADDR:** 139, Avenue de Paris, Tunis. **Te:** 259311.
**ARABIC NETWORK: Nat. Prgr:** 05.00–23.30
Tunis I 629kHz 477m 600kW – **FM:** 96.5MHz 3kW
6195kHz 48.43m 50kW: 05.00–06.00, 17.00–23.30 to Mid.East/No.Af.
11970kHz 25.06m 50kW: 06.00–17.00 (to Mid. East) – G.C: (sw-tr's) 09.56E/36.50N
**N Wrp:** 06.00, 12.00, 16.00, 19.00, 23.00
**Reg. Prgr:** Sfax I 584kHz 513m 0.05kW – Sfax II 602kHz 498.4m 5kW: 12.00–16.00, 19.30–21.00 – **N, Wrp:** 13.00, 14.00, 19.00, 20.55.
**INTERNATIONAL NETWORK:** Tunis II 962kHz 312m 100kW – **FM** 90.1MHz 3kW: **French:** 05.30–13.30, 16.00–22.00. **N:** 05.30, 12.15, 18.30, 21.30 – **Italian:** 13.30–14.30 – **ANN:** Arabic: "Huna Al-Idha-A Att-Tounoussia". F: "Ici Tunis Radiodiff. Télévision Tunisienne". I: "Radiodiff. Tunisina, Rete Internazionale Programma Italiano" – **V.** by QSL-card. Re. in Arabic, E, F. Recordings accepted

## UGANDA

**L.T:** GMT + 3h – **Pr.L:** English, Vernaculars.

### RADIO UGANDA (Gov.)

**ADDR:** Ministry of Inf. Broadc. and Tourism, Broadcasting House, P.O. Box 2038, Kampala. **Te:** 57251. **Cable:** Radioad – **L.P:** Permanent Secr.: A. Sibo. Ag. Contr (Prgr's): R. Sempa. Chief Eng: H. F. Humphreys.
**STATIONS** mw: 1/2/50kW, sw: 3/8kW (G.C: 32.36E/00.20N)

| kHz | m | Netw | kHz | m | Netw. | kHz | m | Netw. |
|---|---|---|---|---|---|---|---|---|
| 584 | 514.0 | Blue | 3340 | 89.81 | Red | 7110 | 42.19 | Blue |
| 656 | 457.3 | Blue | 4976 | 60.29 | Red | 7195 | 41.70 | Red |
| 728 | 412.0 | Red | 5026 | 59.70 | Blue | | | |

**HOME SCE: Red Network** (Nat, No. Reg, Hindi Prgr's): 03.25–05.45 on 728/4976kHz, 06.00–11.30 (Sun 14.00) on 728/7195kHz, 14.00 (Sun 14.15)–21.02 on 728/4976kHz – **N in English:** 04.00, 05.00, 06.00, 09.00 (Mon-Fri), 09.15 (Sun), 10.00 (Mon-Fri), 17.00, 18.00, 20.00 (exc. Sat) 21.00.
**Blue Network** (Nat, Midland & We. Reg. Prgr's): 03.45–05.45 on 584/656/5026kHz, 06.00–11.30 (Sun 14.00) on 584/656/7110kHz, 14.00 (Sun 14.15)–21.02 on 584/656/5026kHz.
**N in English:** 04.00, 05.00 (Sat/Sun), 06.00 (Sat/Sun) 09.00 (Mon-Fri), 09.15 (Sun), 10.00 (W), 18.00, 20.00 (exc. Sat), 21.00.
**ANN:** E: "This is R. Uganda, Kampala". – **V.** by QSL-card. Recordings accepted – **F.PL:** High powered External Sce.

## UPPER VOLTA

**L.T:** GMT – **Pr.L:** French + 13 vernacular languages.

### RADIODIFFUSION DE HAUTE-VOLTA (Gov.)

**ADDR:** B.P.: 511, Ouagadougou. **Te:** 2214. **Cable:** Radiovolta –**L.P:** Dir.: R. Zongo. Dir. of Prgr's: A Yameogo. Dir. N: R. Nikiema. Dir. Tec: J. Duedraogo.
**STATIONS** (G.C: 01.31W/12.22N): 1439kHz 208m 1kW.
4815kHz 61.31m 25kW – 7230kHz 41.49 m4kW.
**HOME SCE in French, Vernaculars:** W 06.00–08.00, 12.00 (Wed, Fri, 11.00)–14.00, 17.00–23.00 (Sat 12.00–23.00,) Sun 07.00–23.00. **N. in French:** 06.30 (W), 07.45, 12 05, 12.45, 19.10, 20,00, 22.15, 22.55 – **Wrp:** W 12.40 – **Vernaculars:** Peulh: 17.45, Mossi 18.00, Dioula 18.11, Gourounsi 18.22, Gourmantsché 18.33, Lobi 18.44, Bobo 18.55, Senoufo 1906.
**R. Bobo-Dioulasso – Addr:** B.P. 392, Bobo-Dioulasso. **Te:** 69. **Cable:** Radio Volta Bobo – **L.P:** St. Mgr; P. Barry. Dir. Tec: P. C. Songre – **Station:** 1520kHz 197.4m 1kW – Relay Ouagadougou in French: W 06.25–08.00, 12.00–13.30, 19.00 (Sat 18.00)– 22.00 Sun 11.00–17.00, 19.00–22.00.
**ANN:** "Ici Ouagadougou, Radiodiff. de la Haute-Volta émrettant . . ." – **INT-SIG:** Folklore Music (Balafon) – **V.** by QSL-card or letter.

## ZAMBIA

**L.T:** GMT + 2h – **Pr.L:** English, Bemba, Nyanja, Tonga, Lozi, Lunda, Luvale, Kaonde.

### ZAMBIA BROADCASTING SERVICES (Gov. Dept.)

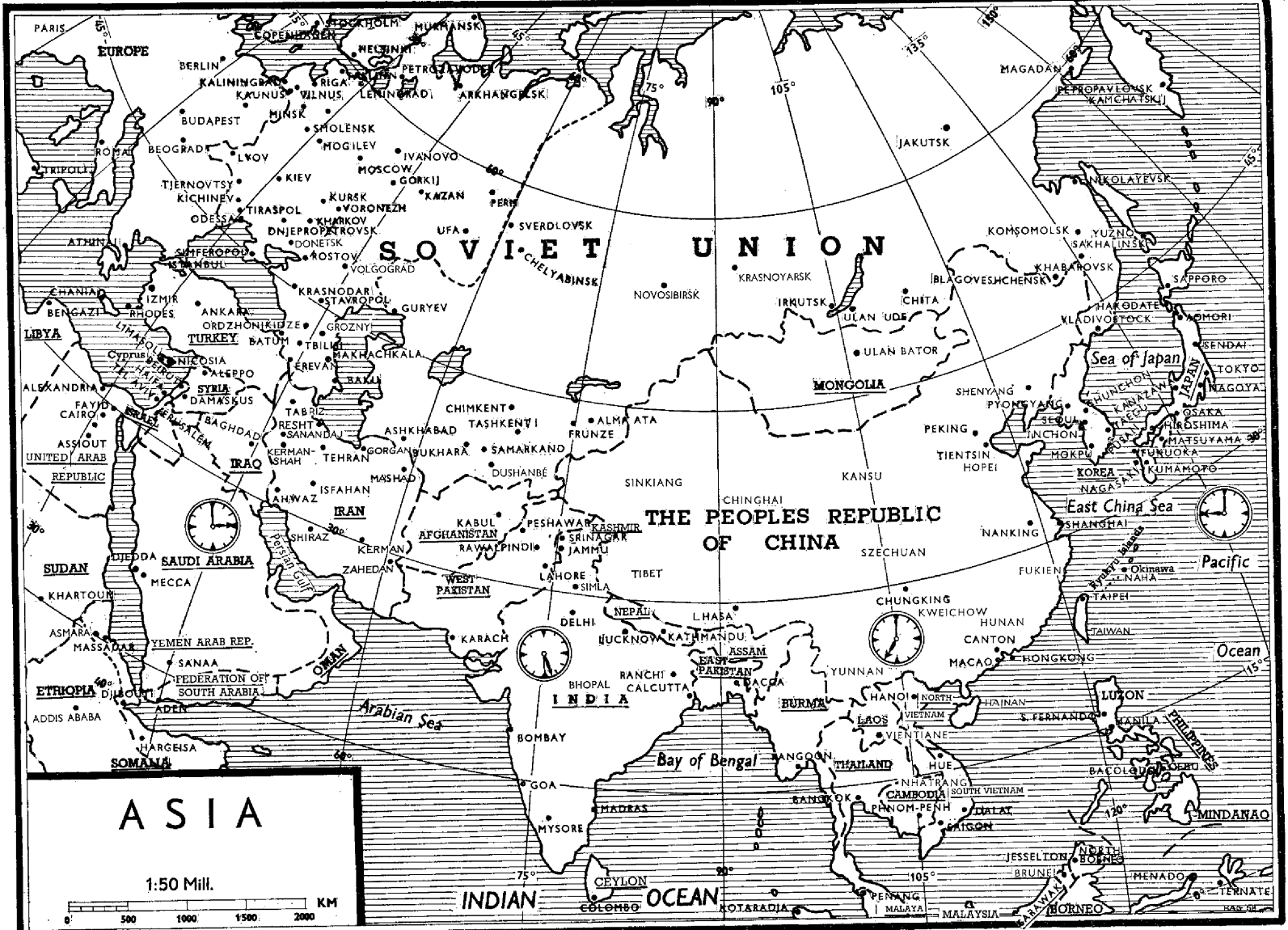
**ADDR:** Broadc. House, P.O. Box RW 15, Lusaka: P.O. Box 748, Kitwe. **Te:** 72986. **Cable:** Broadcasts – **L.P:** Dir: A. M. Kittermaster. Contr. (Sound): A. Nkhata; Chief Eng: J. Allerton. Contr. (TV): G. Wykes; Contra. Adm: J. Housden; Head of N: D. Lewis; Head of Prgrs: J. Kateka.
**Stations: Medium Waves**

| | kHz | m | kW | Sce. | | kHz | m | kW | Sce. |
|---|---|---|---|---|---|---|---|---|---|
| Lusaka | 962 | 312 | 2 | General | Livingstone | 650 | 461 | 2 | General |
| Lusaka | 698 | 430 | 2 | Home | Broken Hill | 596 | 505 | 2 | General |
| Kitwe | 548 | 547 | 20 | General | Ndola | 171215247 | | 1 | General |
| Kitwe | 746 | 402 | 20 | Home | | | | | |

**Short Waves (Lusaka)** (G.C: 28.15E/15.30S):

| kHz | m | kW | Sce. | kHz | m | kW | Sce. |
|---|---|---|---|---|---|---|---|
| 2355 | 127.4 | 2.5 | General | 4965 | 60.42 | 20 | Home |
| 2455 | 122.2 | 10 | Home | 6060 | 49.50 | 20 | Home |
| 3270 | 91.75 | 120 | General | 6165 | 48.66 | 120 | General |
| 3346 | 89.68 | 20 | Home | 9570 | 31.35 | 20 | General |
| 4911 | 61.08 | 20 | General | | | | |

**D.PRGR'S: General Service** (English, Vernacular): 03.45 (Sun 05.00)-06.30 on 3270kHz, 06.30-14.30 on 4911kHz, 14.30-21.00 (Sat 22.00, Sun 20.10) on 3270kHz. **N in English:** W 03.45, 04.00, 05.00, 06.00, 09.00, 11.15, 16.00, 18.00, 20.00, 21.00, Sun 07.00, 11.15, 16.00, 18.00, 20.00.
**Home Sce (Vernaculars):** 03.45–06.00 (W) on 3346kHz, 06.00–15.00 on 4965kHz, 15.00–21.00 (Sun 20.00) on 3346kHz. **N** (Vernaculars): 03.45, 03.50, 03.55, 04.00, 04.30, 08.50, 10.45, 11.15, 13.45, 16.10, 17.15, 18.00.
**ANN:** Gen. Sce: "This is Lusaka Calling" or "You are tuned to the General (Home) Sce. of R. Zambia" – **Pub:** Monthly prgr. schedule – **F.PL:** Tr. at Ft. Jameson, expansion sces, VHF – **FI:** by state license fees, adv – **ALF:** £1/-/- (Radio + TV: £5/-/-).


ASIA
1:50 Mill.
0 500 1000 1500 2000 KM
SOVIET UNION
THE PEOPLES REPUBLIC OF CHINA
INDIA
INDIAN OCEAN
Arabian Sea
Bay of Bengal
Sea of Japan
East China Sea
Pacific Ocean
Persian Gulf
EUROPE
PARIS
BERLIN
COPENHAGEN
STOCKHOLM
MURMANSK
HELSINKI
PETROZAVODSK
KALININGRAD
KAUNUS
RIGA
VILNUS
LENINGRAD
ARKHANGELSK
BUDAPEST
MINSK
SMOLENSK
MOGILEV
IVANOVO
MOSCOW
GORKIJ
KAZAN
PERM
SVERDLOVSK
UFA
CHELYABINSK
NOVOSIBIRSK
KRASNOYARSK
IRKUTSK
ULAN UDE
CHITA
ULAN BATOR
MONGOLIA
JAKUTSK
MAGADAN
PETROPAVLOVSK KAMCHATSKIJ
NIKOLAYEVSK
KOMSOMOLSK
YUZNO SAKHALINSK
KHABAROVSK
BLAGOVESHCHENSK
SAPPORO
HAKODATE
VLADIVOSTOCK
AOMORI
SENDAI
TOKYO
NAGOYA
JAPAN
OSAKA
HIROSHIMA
MATSUYAMA
FUKUOKA
KUMAMOTO
KOREA
SHENYANG
PYONGYANG
SEOUL
INCHON
PEKING
TIENTSIN
HOPEI
MOKPU
KANSU
SINKIANG
CHINGHAI
SHANGHAI
NANKING
SZECHUAN
FUKIEN
Okinawa
NAHA
TAIPEI
TAIWAN
CHUNGKING
KWEICHOW
HUNAN
CANTON
MACAO
HONGKONG
YUNNAN
HAINAN
LUZON
S. FERNANDO
MANILA
PHILIPPINES
BACOLOD
CEBU
MINDANAO
HANOI
NORTH VIETNAM
LAOS
VIENTIANE
HUE
NHATRANG
SOUTH VIETNAM
CAMBODIA
PHNOM-PENH
DALAT
SAIGON
BANGKOK
THAILAND
RANGOON
BURMA
DACCA
EAST PAKISTAN
ASSAM
KATHMANDU
NEPAL
LHASA
TIBET
CALCUTTA
RANCHI
BHOPAL
LUCKNOW
DELHI
KARACH
BOMBAY
GOA
MADRAS
MYSORE
CEYLON
COLOMBO
KOTARADJA
PENANG
MALAYA
MALAYSIA
SARAWAK
BORNEO
NORTH BORNEO
BRUNEI
JESSELTON
MENADO
TERNATE
SHIMLA
LAHORE
SRINAGAR
KASHMIR
JAMMU
RAWALPINDI
PESHAWAR
KABUL
AFGHANISTAN
WEST PAKISTAN
KERMAN
ZAHEDAN
SHIRAZ
ISFAHAN
AHWAZ
MASHAD
TEHRAN
GORGAN
BUKHARA
SAMARKAND
DUSHANBE
ASHKHABAD
TASHKENT
CHIMKENT
ALMA ATA
FRUNZE
TABRIZ
RESHT
SANANDAJ
KERMANSHAH
BAKU
EREVAN
MAKHACHKALA
GROZNY
TBILISI
BATUM
ORDZHONIKIDZE
GURYEV
KRASNODAR
STAVROPOL
VOLGOGRAD
ROSTOV
DONETSK
DNJEPROPETROVSK
KHARKOV
VORONEZH
KURSK
KIEV
LVOV
BEOGRAD
ROMA
TRIPOLI
TJERNOVTSY
KICHINEV
TIRASPOL
ODESSA
SIMFEROPOL
ISTANBUL
ATHINAI
CHANIA
BENGAZI
IZMIR
RHODES
ANKARA
TURKEY
LIBYA
Cyprus
NICOSIA
ALEPPO
SYRIA
DAMASKUS
ALEXANDRIA
FAYID
CAIRO
ISRAEL
JERUSALEM
BAGHDAD
ASSIOUT
UNITED ARAB REPUBLIC
IRAQ
IRAN
SAUDI ARABIA
MECCA
DJEDDA
SUDAN
KHARTOUM
ASMARA
MASSADAR
YEMEN ARAB REP.
SANAA
FEDERATION OF SOUTH ARABIA
OMAN
ETHIOPIA
DJIBOUTI
ADEN
ADDIS ABABA
HARGEISA
SOMALIA

# ASIA

## ADEN (Federation of South Arabia)

**L.T:** GMT+3 h — **Pr.L:** Arabic.

**SOUTH ARABIAN BROADCASTING SCE. (Gov. Comm.)**
**ADDR:** P.O. Box 1264, GPO, Aden **Te:** 4875. **Cable:** "Al Irshad" — **L.P:** Dir. Tec: B. V. Hughes. Dir. Prgr: A. Saggaf. Sales Mgr: N. Hassanali.
**STATIONS** (System: Marconi): 755kHz 397m 50kW 5060kHz 59.29m 7.5kW d. (G.C: 44.54E/12.48N).
**HOME SCE. in Arabic:** D. exc. Fri 03.30-06.00, 12.00-19.30. Fri 03.30-19.30. **N:** 03.55, 04.45, 06.45 Fri 11.00), 13.00, 15.00, 17.00, 19.00 — **ANN:** "Idha'at ue ganoub al Arabi men aden" — **V.** by QSL-card. Rp. preferred. Re. wanted from Arabic speaking countries only — **PUB:** Prgr. schedule free.

## AFGHANISTAN

**L.T:** GMT+4½ h — **Pr.L:** Pushtu, Dari.

**RADIO AFGHANISTAN (Gov.)**
**ADDR:** Ansari Watt, Kabul. **Te:** 24585. **Cable:** Techrad.
**L.P:** Pres: S. Kushkaki. Dir. Prgr: G. H. Koshan. Dir. Tec: M. K. Attaie. Head Pub. Rel. Dept: M. Rafiq.
**STATIONS:** *Pol-e-Tscharchi; others Kabul — **50 or 100kW.

| kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|
| 660 | 454.5 | 20 | 11775 | 25.48 | 100d |
| *1280 | 234.0 | 100 | 15265 | 19.66 | 50 d |
| 4775 | 62.84 | 100nd | 15435 | 19.44 | 100 |
| 6000 | 50.00 | ** | 17825 | 16.83 | 50 d |
| 7200 | 41.67 | ** | 21585 | 13.90 | 100 |

**HOME SCE. in Pashtu/Dari.** 01.30-03.30 on 1280/6000/7200kHz, 07.30-08.30 on 660/6000/7200kHz, 11.30-18.30 on 1280kHz, 11.30-13.30 on 6000kHz, 12.00-17.30 on 7200kHz, 13.00-17.45 on 660kHz. **N:** 01.30, 02.00, 02.30, 03.00, 07.30, 08.00, 11.30, 12.00, 12.30, 13.00, 13.30, 14.00, 14.30, 15.00, 15.30, 16.00, 16.30, 17.00.
**FOREIGN SCE:** a) to Europe; b) to Afghanistan & neighbouring countries.

| English | kHz | Pashtu/Dari | kHz |
|---|---|---|---|
| 14.00-14.30 b | 4775 | 12.00-13.00 b | 4775 |
| 18.00-18.30 a | 11775/15265 | 14.30-17.00 b | 4775 |
| **German** | | **Russian** | |
| 17.30-18.00 a | 11770/15265 | 17.00-17.30 b | 4775 |
| **Pashtu/Darl** | | **Urdu** | |
| 11.00-12.00 a | 15435/21585 | 13.00-14.00 b | 4775 |

**NEWS: English:** 14.00, 18.00. **German:** 17.30. **Pashtu/Dari:** 11.00, 11.30, 12.00, 12.30, 14.30, 15.00, 15.30, 16.00, 16.30. **Russian:** 17.00. **Urdu:** 13.00, 13.30.
**ANN:** "Da R. Afghanistan Kabul Dai" — **INT-SIG:** A record on national flute — **V.** by QSL-card. Recordings accepted. Reports to P.O. Box 544, Kabul.

## BAHRAIN

**L.T:** GMT+4 h — **Pr.L:** Arabic.

**BAHRAIN BROADCASTING STATION (Gov.)**
**ADDR:** P.O. Box 253, Manama, Bahrain, Arabian Gulf. **Te:** 612278 — **STATION:** 610kHz 491.8m 2kW — **HOME SCE. in Arabic:** D 05.30 (Fri 04.00)—08.00, 16.00-19.30 — **N:** 07.55, 17.30. **Wrp:** 17.45 — **ANN:** Arabic: "Hunal Bahrain" (This is Bahrain) — **INT-SIG:** Local composition of guitar and violin — **V.** by letter — **PUB:** "Hunal Bahrain" monthly, free on request.

## BRUNEI (British Protected State)

**L.T:** GMT+8 h — **Pr.L:** Malay, English, Chinese.

**RADIO BRUNEI (Gov.)**
**ADDR:** Dept. of Broadc. & Inf, Brunei. **Cable:** Infoff. **Te:** 345 — **L.P:** Dir. of Broadc. & Inf: G. V. De Freitas. Dep. Dir: Md. Abd. Kadir. Chief Eng: N.S.A. Frigout. Press Officer: M. C. Yussof.
**STATION** (System: Marconi, Gates)

| | | | | |
|---|---|---|---|---|
| 895kHz | 335 m | 10 kW: | 08.00-14.30 | |
| 970 — | 309 — | 1.2 | : | 22.30-06.00, 10.00-14.30 |
| 1100 — | 272 — | 0.66 | : | 08.00-14.30 |
| 1240 — | 242 — | 20 | : | 22.30-06.00, 10.00-14.30 |
| 4965 — | 61.66 — | 10 | : | 08.00-14.30 |

**HOME SCE: Malay:** 22.30-01.00, 04.30-06.00, 10.00-14.30 on 970/1240kHz; 11.00-13.00 on 4865kHz — **English:** 23.00-00.30 on 895/11 00kHz, 03.00-04.30 on 970/1240kHz, 12.00-14.30 on 895/1100kHz, 13.00-14.30 on 4865kHz — **Chinese:** 01.00-03.00 on 970/1240kHz, 08.00-11.00 on 895/4865kHz. **N. in English (BBC):** 04.15, 13.15. **Forces Prgr:** 11.00-12.00 on 895/1100kHz.
**ANN:** E: "This is R. Brunei". Malay: "Inilah R. Brunei" — **INT-SIG:** Opens with the sound of Native Tune preceded by TS — **V.** by QSL-card or letter (for sw. only). Re. to Chief Eng. Recordings accepted — **PUB:** "Suara Brunei" (Voice of Brunei) in English, Malay, Chinese.

## BURMA

**L.T:** GMT+6½ h — **Pr.L:** Burmese, English.

**BURMA BROADCASTING SERVICE (Gov.)**
**ADDR:** Prome Rd, Kamayut P.O, Rangoon. **Cable:** Burbrocast. **Te:** 31355 — **L.P:** Dir: Major K. Sunn, U Kyaw Nyein. Dir. Tec: U. Win Mg, M.I.R.E.
**STATIONS** (G.C: 96.05E/16.55N):

| Call | kHz | m | kW | Call | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| XZK | 955 | 314.0 | 50 | XZK42 | 5040 | 59.52 | 50 |
| XZK8 | 1150 | 261.0 | 5 | XZK3 | 6035 | 49.71 | 50 |
| XZK2 | 4795 | 62.57 | 50 | XZK4 | 7120 | 42.13 | 50 |

**FM:** 100/102/104/106MHz 0.25kW.
**HOME SCE: Prgr. I: Burmese:** 00.30-01.30 on 955/6035kHz, 04.30-07.00 on 955/7120kHz, 11.00-14.30 on 955/5040kHz — **N:** 01.00, 06.30, 13.30 — **Wrp:** 13.28 — **Folklore Music:** Mon, Wed, Fri 13.45.
**English:** 01.30-02.30 on 955/6035kHz, 07.00-07.30 on 955/7120kHz, 14.30-16.00 on 955/5040kHz — **N:** 02.00, 07.00, 14.45 — **Mbg:** Wed, Fri 14.30, Sat 07.10, Sun 02.10.
**Prgr. II (Burmese):** 11.00-14.45 on 1150/4795kHz.
**ANN:** E: "This is the Burma Broadc. Service". Burmese: "Myanma Athan Hma Athan Hlwint Nay Barthe" — **INT-SIG:** Burmese Orchestral Music — **V.** by QSL-card. Rp. — **ALF:** K 9/- for 3 years.

## CAMBODIA

**L.T:** GMT+7 h — **Pr.L:** Cambodian, French, English.

**RADIODIFFUSION NATIONALE KHMERE (RNK- Gov.)**
**ADDR:** 28. Av. Preah Mohaksatryany Kossomak, Phnom-penh. **Te:** 3958. **Cable:** Miformation — **L.P:** Dir. Gen. S. Kean. Dep. Dir. Gen. and Dir. Prgrs: L. Sainvar. St. Mgr. and Dir. Tec: E. Samrech.
**STATIONS** (G.C: 104.51E/11.34N):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 1410 | 212.8 | 120 | 4907 | 61.14 | 15 | 9695 | 30.94 | 50 |
| 1540 | 194.8 | 20 | 6090 | 49.26 | 50 | | | |

**HOME SCE. (Nat Netw):** On 1410/6090kHz: 23.00-17.00. **N:** 23.00 (Sun 00.00), 05.00, 07.00, 12.00, 14.00.
**INTERNATIONAL SCE:** On 1540/4907kHz (Netw I): 23.30-24.00, 05.30-06.00, 12.30-13.00, 14.00-14.30. **N. in English:** 23.45 (Sun 00.45), 05.45, 12.45. **N. in French:** 23.30 (Sun 00.30), 05.30, 12.30. **Comm. in French:** Mon, Wed, Fri 14.00-14.30 — On 9695kHz (Netw II): 01.45-04.15, 12.00-14.40, **N: English:** 02.00, 03.45. **French:** 02.15, 03.30. **Khmère:** 01.45, 03.15. **Thai:** 04.00, 14.30. **Chinese:** 12.00, 12.30, 13.00. **Loatian:** 14.00. **Vietnamese:** 13.30.
**ANN:** F: "Ici Phnom-Penh, La Voix du Cambodge". E: "This is R. Phnomh-Penh, the Voice of Cambodia" — **V.** by letter — **AD:** 00.00-01.30 — **ALF:** 150 Riels.

## CEYLON

**L.T:** GMT+5½ h — **Pr.L:** English, Sinhala, Tamil.

**CEYLON BROADCASTING CORPORATION (Public Corpo.)**
**ADDR:** P.O. Box 574, Colombo 7. **Te:** 93171. **Cable:** Radceylon — **L.P:** Chmn. of Board of Dir's and Dir. Gen: N. D. Jayaweera. Dep. Gen: N. S. Wickremasinghe. Acting Secr: E. K. Perera.
**STATIONS** (G.C. 79.54E/07.06N)

| kHz | m | kW | kHz | m | kW | kHz | m | kHz |
|---|---|---|---|---|---|---|---|---|
| 540 | 555.5 | 0.25 | 4902 | 61.20 | 10 | 7190 | 41.72 | 10 |
| 640 | 469.0 | 0.25 | 4968 | 60.38 | 10 | 11800 | 25.42 | 35 |
| 700 | 428.0 | 25 | 5020 | 59.76 | 10 | 15230 | 19.70 | 100 |
| 870 | 344.8 | 20 | 5076 | 59.10 | 10 | 15330 | 19.57 | 100 |
| 920 | 326.0 | 20 | 6005 | 49.96 | 10 | 17815 | 16.84 | 35 |
| 1030 | 294.0 | 20 | 6075 | 49.38 | 10 | 17830 | 16.83 | 35 |
| 1310 | 229.0 | 0.25 | 6130 | 48.94 | 10 | | | |
| 4870 | 61.60 | 10 | 6185 | 48.50 | 10 | | | |

**NATIONAL SCE:** P & H=Poya days and holidays.
**English:** 11.30-17.30 on 920/5020kHz (P & H 04.30-13.00 on 920/6130kHz).
**Sinhala:** 01.00-03.00, 11.00 (P & H 10.30)-17.00 on 540/700/1310/4902kHz; 01.00-01.25 on 3385kHz; 06.30 (P & H 03.00)-08.00 on 540/700 1310/6075kHz.
**Tamil:** 01.00-03.00, 11.30-17.00 on 870/4968kHz; 06.30 (P & H 06.00)-08.00 on 870/6005kHz; P & H 03.00-04.3 on 870/6005kHz.
**Sandhya Sevaya:** 14.15-17.00 on 1030/5076kHz — **Educational Sce:** 12.30—13.45 on 1030/5076kHz.

**COMMERCIAL SERVICE: To Ceylon:**
**English:** 01.30-03.00 on 920/5020kHz, 0300-03.30 on 920/6130kHz, 07.30-09.30 (P & H 11.30) on 920/6130kHz, 12.30-17.30 on 640/4870kHz — **Sinhala:** 01.30-03.00 on 640/4870kHz, 03.00-10.30 on 640/6185kHz, 10.30-12.30 on 640/4870kHz.
**Tamil:** 01.30-03.30, 09.30-12.30 on 1030/5076kHz.
**To India: English:** 01.30-03.30 (Sun 04.30) on 15230/9720kHz, 12.30-16.45 on 15230/7190kHz — **Hindi/Tamil:** 01-30-04.30 (Sun 07.30) on 11800/7190kHz; 11.00 (Sat/Sun 10.30)-17.30 on 11800/6075kHz.
**EXTERNAL SERVICE**
**To Europe, N. Africa and M. East:** 06.30-07.45 on 15330kHz.
**To South East Asia:** 09.15-10.30 on 17830kHz.
**ANN:** E: National Service: "This is the "Ceylon Broadcasting Corporation". Ext. Service: "This is Radio Ceylon, the overseas service of the Ceylon Broadcasting Corporation calling listeners in . . ." Comm. Sce: "This is Radio Ceylon the Comm. Service of the Ceylon Broadcasting Corporation."
**INT-SIG:** Nat. Sce: Nat. Drums (Magul Bera) followed by Jaya Mangala Gatha, External Sce: Oriental folk theme "Gajaga Vannama" — **V.** by QSL-card or letter. Re. in E. to be addressed to Listener Research Officer. Recordings accepted.
**PUB:** R. Times (fortnightly) — **FI:** By state, licences, adv — **ALF:** Rs 15/-.

### VOICE OF AMERICA RADIO STATION IN CEYLON

**ADDR:** Voice of America, Washington D.C. 20547, USA.
**STATIONS:** Colombo 35kW: (G.C: 79.54E/07.06N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 7105 | 42.22 | 7275 | 41.24 | 11835 | 25.35 | 15285 | 19.63 |

**English:** 01.00-03.00, 11.30-18.00. **Hindi:** 14.30-15.00, 15.30-16.00. **Urdu:** 15.00-15.30, 16.00-16.30. **Tamil:** 14.00-14.30.
**ANN:** "This is Colombo relaying Voice of America Programs".
**INT-SIG:** Variations of "Columbia the Gem of the Ocean — **V.** by QSL-card.

### CEYLON REDIFFUSION SERVICE LTD. (Gov. Comm.)

**ADDR:** P.O. Box 1002, Colombo. **Cable:** Rediffusion. **Te:** 7247 — **L.P:** Gen. Mgr: R. L. Kettle — Four prgr's (English, Hindi, Tamil, Sinhala) via wired network.

## CHINA (Peoples Rep. of)

**L.T:** GMT+8 h (Urumchi: GMT+6 h) — **Pr.L:** Chinese.

### BROADCASTING ADMINISTRATION (Gov.)

**ADDR:** Broadc. Adm. Fu Hsin Men, Peking.

### RADIO PEKING/CENTRAL PEOPLES BROADCASTING STATION

**Medium Waves (Home Service):**

| kHz | kHz | kHz | kHz | kHz | kHz |
|---|---|---|---|---|---|
| 540 | 610 | 730 | 850 | 1120 | 1350 |
| 560 | 630 | 760 | 970 | 1140 | 1445 |
| 570 | 645 | 803 | 980 | 1160 | 1480 |
| 590 | 690 | 820 | 1000 | 1210 | 1510 |
| 600 | 720 | 825 | 1090 | 1330 | |

**Medium Waves (Foreign Sce.)**

| kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|
| 1020 | 294.1 | 1300 | 230.8 | 1340 | 223.9 |
| 1040 | 288.5 | 1310 | 229.0 | 1525 | 196.7 |
| 1190 | 252.1 | 1313 | 228.5 | | |

**Short Waves (Home and Foreign Services):** 20/120/240kW.

| kHz | m | kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|---|---|
| 2800 | 107.10 | 4220 | 71.09 | 5880 | 51.02 | 6430 | 46.66 | 7075 | 42.40 |
| 3200 | 93.75 | 4250 | 70.59 | 5915 | 50.72 | 6520 | 46.01 | 7080 | 42.37 |
| 3220 | 93.17 | 4360 | 68.81 | 5935 | 50.55 | 6525 | 45.98 | 7095 | 42.28 |
| 3270 | 91.74 | 4460 | 67.26 | 5950 | 50.42 | 6540 | 45.87 | 7110 | 42.19 |
| 3290 | 91.19 | 4620 | 64.94 | 5960 | 50.34 | 6550 | 45.80 | 7115 | 42.16 |
| 3360 | 89.29 | 4770 | 62.89 | 5975 | 50.21 | 6560 | 45.73 | 7120 | 42.13 |
| 3390 | 88.50 | 4860 | 61.73 | 5985 | 50.13 | 6575 | 45.63 | 7150 | 41.96 |
| 3450 | 86.96 | 4905 | 61.16 | 6000 | 50.00 | 6590 | 45.52 | 7155 | 41.93 |
| 3500 | 85.71 | 4960 | 60.48 | 6025 | 49.79 | 6610 | 45.39 | 7170 | 41.84 |
| 3660 | 81.97 | 5030 | 59.64 | 6065 | 49.46 | 6620 | 45.32 | 7190 | 41.72 |
| 3795 | 79.05 | 5075 | 59.11 | 6103 | 49.15 | 6645 | 45.15 | 7200 | 41.67 |
| 3815 | 78.64 | 5125 | 58.54 | 6107 | 49.12 | 6710 | 44.71 | 7230 | 41.49 |
| 3830 | 78.33 | 5145 | 58.31 | 6125 | 48.98 | 6715 | 44.68 | 7240 | 41.44 |
| 3865 | 77.60 | 5160 | 58.14 | 6130 | 48.94 | 6730 | 44.58 | 7250 | 41.41 |
| 3880 | 77.32 | 5215 | 57.53 | 6155 | 48.74 | 6760 | 44.38 | 7265 | 41.29 |
| 3900 | 76.92 | 5220 | 57.47 | 6180 | 48.54 | 6790 | 44.18 | 7270 | 41.27 |
| 3905 | 76.82 | 5240 | 57.25 | 6210 | 48.31 | 6810 | 44.05 | 7280 | 41.21 |
| 3915 | 76.63 | 5250 | 57.14 | 6225 | 48.19 | 6825 | 43.96 | 7300 | 41.10 |
| 3920 | 76.53 | 5295 | 56.66 | 6245 | 48.04 | 6860 | 43.73 | 7305 | 41.07 |
| 3940 | 76.14 | 5320 | 56.39 | 6275 | 47.81 | 6890 | 43.54 | 7315 | 41.01 |
| 3960 | 75.76 | 5360 | 55.97 | 6290 | 47.69 | 6915 | 43.38 | 7335 | 40.90 |
| 3980 | 75.38 | 5450 | 55.05 | 6320 | 47.47 | 6955 | 43.13 | 7350 | 40.82 |
| 3990 | 75.19 | 5500 | 54.55 | 6325 | 47.43 | 6995 | 42.89 | 7370 | 40.71 |
| 4020 | 74.63 | 5535 | 54.20 | 6330 | 47.39 | 7005 | 42.83 | 7435 | 40.35 |
| 4035 | 74.35 | 5545 | 54.10 | 6335 | 47.36 | 7025 | 42.70 | 7440 | 40.32 |
| 4060 | 73.89 | 5650 | 53.10 | 6340 | 47.32 | 7035 | 42.64 | 7450 | 40.27 |
| 4130 | 72.64 | 5850 | 51.28 | 6345 | 47.28 | 7060 | 42.49 | 7480 | 40.11 |
| 4160 | 72.12 | 5860 | 51.19 | 6390 | 46.95 | 7065 | 42.46 | 7490 | 40.05 |
| 4200 | 71.43 | 5870 | 51.11 | 6400 | 46.88 | 7070 | 42.42 | 7500 | 40.00 |
| 7580 | 39.58 | 9340 | 32.12 | 9920 | 30.24 | 11820 | 25.38 | 15270 | 19.65 |
| 7610 | 39.42 | 9365 | 32.03 | 9945 | 30.17 | 11860 | 25.30 | 15290 | 19.62 |
| 7620 | 39.37 | 9380 | 31.98 | 9955 | 30.14 | 11885 | 25.24 | 15315 | 19.59 |
| 7630 | 39.32 | 9385 | 31.97 | 9965 | 30.11 | 11910 | 25.19 | 15370 | 19.52 |
| 7660 | 39.16 | 9390 | 31.95 | 9972 | 30.08 | 11925 | 25.16 | 15417 | 19.46 |
| 7700 | 38.96 | 9400 | 31.91 | 9985 | 30.05 | 11930 | 25.15 | 15465 | 19.44 |
| 7720 | 38.86 | 9457 | 31.72 | 10180 | 29.47 | 11945 | 25.12 | 15480 | 19.38 |
| 7770 | 38.61 | 9470 | 31.68 | 10260 | 29.24 | 11957 | 25.09 | 15500 | 19.35 |
| 7820 | 38.36 | 9480 | 31.65 | 10865 | 27.61 | 11965 | 25.07 | 15520 | 19.33 |
| 7925 | 37.85 | 9490 | 31.61 | 11100 | 27.03 | 11975 | 25.05 | 15550 | 19.35 |
| 7947 | 37.75 | 9500 | 31.58 | 11130 | 26.95 | 11980 | 25.04 | 15590 | 19.24 |
| 7980 | 37.59 | 9510 | 31.55 | 11290 | 26.57 | 12005 | 24.99 | 15610 | 19.22 |
| 8245 | 36.39 | 9540 | 31.45 | 11330 | 26.48 | 12010 | 24.98 | 15710 | 19.10 |
| 8260 | 36.32 | 9550 | 31.41 | 11445 | 26.21 | 12015 | 24.97 | 15880 | 18.90 |
| 8270 | 36.28 | 9570 | 31.35 | 11455 | 26.19 | 12035 | 24.93 | 15960 | 18.80 |
| 8300 | 36.15 | 9590 | 31.28 | 11505 | 26.08 | 12055 | 24.89 | 17450 | 17.19 |
| 8330 | 36.01 | 9605 | 31.23 | 11515 | 26.05 | 12060 | 24.88 | 17490 | 17.15 |
| 8345 | 35.95 | 9620 | 31.19 | 11600 | 25.86 | 12065 | 24.87 | 17533 | 17.11 |
| 8350 | 35.93 | 9650 | 31.09 | 11610 | 25.84 | 12110 | 24.77 | 17605 | 17.04 |
| 8400 | 35.71 | 9660 | 31.06 | 11620 | 25.82 | 12120 | 24.75 | 17650 | 17.00 |
| 8425 | 35.61 | 9665 | 31.04 | 11630 | 25.80 | 14990 | 20.01 | 17680 | 16.97 |
| 8440 | 35.55 | 9690 | 30.96 | 11650 | 25.75 | 15030 | 19.96 | 17720 | 16.93 |
| 8490 | 35.34 | 9710 | 30.90 | 11657 | 25.74 | 15040 | 19.95 | 17740 | 16.91 |
| 8565 | 35.03 | 9730 | 30.83 | 11675 | 25.70 | 15060 | 19.92 | 17745 | 16.91 |
| 8747 | 34.30 | 9755 | 30.75 | 11685 | 25.67 | 15080 | 19.89 | 17750 | 16.90 |
| 8940 | 33.56 | 9765 | 30.72 | 11690 | 25.66 | 15095 | 19.87 | 17765 | 16.89 |
| 8965 | 33.46 | 9775 | 30.69 | 11695 | 25.65 | 15115 | 19.85 | 17780 | 16.87 |
| 9020 | 33.26 | 9785 | 30.66 | 11715 | 25.61 | 15140 | 19.82 | 17795 | 16.86 |
| 9065 | 33.09 | 9800 | 30.61 | 11720 | 25.60 | 15175 | 19.77 | 17810 | 16.84 |
| 9080 | 33.04 | 9860 | 30.43 | 11725 | 25.59 | 15195 | 19.74 | 17835 | 16.82 |
| 9170 | 32.72 | 9870 | 30.40 | 11740 | 25.55 | 15236 | 19.69 | 17860 | 16.80 |
| 9245 | 32.45 | 9880 | 30.36 | 11750 | 25.53 | 15241 | 19.69 | 17875 | 16.78 |
| 9290 | 32.29 | 9900 | 30.30 | 11800 | 25.42 | 15255 | 19.67 | 17897 | 16.76 |

**HOME SERVICES (Radio Peking):**
**First Prgr:** 21.13-16.15 (approx.) on 540/560/570/630/645/690/760/825/850/970/980/1140/1330kHz; also on sw: 3915/4460/5320/6107/6225/7095/7500/9065/9755 (from 10.25) 11290/11330kHz plus additional freq's. in the 93, 19 and 16m.b — **N:** 21.30, 22.30, 23.30 (W), 00.00, 02.00, 04.30, 08.00, 10.00, 12.10, 12.30, 14.00, 15.00, 16.00.
**Second Prgr:** W exc. Tues: 21.38-03.40, 03.48-06.00, 09.38-16.30; Tues: 21.38-03.40, 03.48-16.30; Sun: 21.38-16.30 on 600/610/720/1160kHz + 4250/5075/6345/7190/9020/10260/11505/15030 (00.30-06.00 only) 17605kHz (also in the 91 m.b).
**N:** 22.00, 23.00, 00.00, (dictation exc. Sun), 05.00 (W), 15.00-16.30 (dictation).
**Third Prgr:** 00.48-06.00 (Sun), 09.38-15.00 (daily) on 1000/1120kHz and in the 78, 67, 44 and 26 m.b's (78 m.b. reported on 3830 kHz) — **N:** 11.25.
**Fourth Prgr.** (Peking Local): 22.35-02.45, 04.00-05.30, 07.55-15.15 on 820/1210/1350/1480kHz.
**Prgr. to Taiwan:** 20.55-01.00, 02.55-06.05 (Sun 07.05), 08.25-17.05 on 590/685/750/910/1090/1453/1480/1510kHz (Amoy/Foochow area st's) and on 5160/7025/7270/9170/11100/15590/15710/15880/17450/17490/17533kHz (and on additional freq's. in the 70 and 44 m.b.'s).
**N (Standard Chinese):** 22.00, 23.00, 04.00, 05.00, 10.00, 11.00, 12.00, 14.00, 15.00, 16.00. **Amoy:** 21.00, 00.00, 03.00, 08.30, 13.00. **Hakka:** 09.30.

**FOREIGN SERVICES**

**Areas:** I — S.E. Asia; II — Middle East; III — North America (East); IV — North America (West); V — Australia, New Zealand; VI — Africa; VII — Europe; VIII — South Asia: IX — N.E. Asia; X — Brazil; XI — Soviet Union; XII — South America; XIII — Central America, Mexico, West Indies.

| English | Areas | kHz |
|---|---|---|
| 08.30-09.30 | V | 9457, 11600, 11720, 15060, 15435, 17835 |
| 09.30-10.30 | V | |
| 12.00-13.00 | I | 1190, 1340, 7335 |
| | | 9290, 9340, 9480 |
| | | 11600, 11675, 12110 |
| | | 15095 |
| 13.00-14.00 | I | 1340, 7335, 9290 |
| | | 9340, 9480, 11600 |
| | | 11675, 12110, 15095 |
| 14.00-15.00 | VIII | 5030, 7115, 7315 |
| 15.00-16.00 | VIII | 9860, 11740, 15095 |
| 16.00-17.00 | VIII | 1310 |
| 16.00-18.00a | VI | 7315, 9860, 11725, 12110 |
| 19.30-21.30b | VI | 9470, 11695, 15060 |
| 20.30-21.30 | VII | 6290, 6610, 7075 |
| 21.30-22.30 | VII | 9457, 11675 |
| 00.00-01.00 | III | 15060, 17680 |
| 01.00-03.00 | III | 11945, 15060 |
| | | 17680, 17795 |
| 03.00-04.00 | IV | 9457, 11820 15060 |
| 04.00-05.00 | IV | 15095, 17680, 17795 |
| Amoy | | kHz or mb. |
| 12.00-13.00 | I | 9490/9860/12010/15060 |

# China

| Amoy | Area | kHz (or m.b) |
|---|---|---|
| 13.00-14.00 | I | 9490 — 25/19m.b. |
| 23.30-24.00 | I | 12055/15060 — 31m.b. |
| **Arabic** | | |
| 16.30-17.30 | II | 40/21/25 m.b. |
| 18.30-19.30 | II | 15030 — 40/31/25 m.b. |
| **Burmese** | | |
| 00.30-01.00 | I | 31/25/19 m.b |
| 11.30-12.00 | I | 11980/15030 — 31 m.b |
| 13.00-13.30 | I | 1190 |
| 14.00-14.30 | I | 12055 — 42/31/19 m.b |
| 14.30-15.00 | I | 1190 |
| **Cambodian** | | |
| 10.30-11.00 | I | 9457/15030 — 25 m.b |
| 12.00-13.00 | I | 1300/9457/11980/15030 |
| 14.30-15.00 | I | 12055/15030 — 42/31 m.b |
| **Cantonese** | | |
| 01.00-02.00 | III | 9920/11100/11445/ 11650/12010/15095/ 15195 |
| 03.00-04.00 | IV | 9480/12010/15080 |
| 10.00-11.00 | V | 7150/12010/12110 15080 — 30 m.b |
| 11.00-12.00 | I | 7150/9490/7620/ 12010/12110/15080/ 15260 |
| 17.00-18.00 | VI | 15060 — 4230/25 m.b |
| 23.00-23.30 | I | 6590/7035/7335/ 9457/11690/11820/ 15030/15080 |
| **Chaochow** | | |
| 00.30-01.00 | I | 12010/15080 |
| 14.00-15.00 | I | 41/31/25 m.b |
| **French** | | |
| 18.30-19.30 | VI | 6325/6825/7060/ 7315/9340/9920/ 11610/11965/ 15060/15095 |
| 19.30-20.30 | VII | 6325/6560/6825/ 7060/9340/9365/ 9920/15095 — 25 m.b |
| 20.30-21.30 | VI | 6325/6825/7060/ 7315/9340/9920/ 11610/11965/15095 |
| 21.30-22.30 | VII | 6325/6560/6825/ 7060/7315/9340/ 9365/9920/11690/ 15095 |
| **German** | | |
| 18.00-19.00 | VII | 6290/7005/7075/ 9972 — 32 m.b |
| 20.00-21.00 | VII | 6890/7005/9972/ 12065 — 32 m.b |
| **Hakka** | | |
| 00.00-00.30 | I | 15080 — 25/31 m.b |
| 10.00-11.00 | I | 7080/9860/15260 — 25 m.b |
| 17.00-18.00 | VIII | 1190 |
| **Hausa** | | |
| 19.00-19.30 | VI | 31/24/19 m.b |
| 21.00-21.30 | VI | 15030 — 31/24 m.b |
| **Hindi** | | |
| 15.00-16.00 | VIII | 1190/11690/15060 42/30 m.b |
| 16.00-17.00 | VIII | 11690/15060 42/30 m.b |
| **Indonesian** | | |
| 22.00-22.30 | I | 6590 |
| 23.30-24.00 | I | 11720/15080 |
| 05.00-05.30 | I | 15060/15080 |
| 09.00-10.00 | I | 11820/12055/15030/ 15080/15095 |
| 10.30-11.30 | I | 5545/8245/9665/ 11600/11720/12055/ 15060/15095 — 41 m.b |
| 12.00-12.30 | I | 5545/7060/9365/ 15080 — 25 m.b |
| 13.00-13.30 | I | 9945/11945/15080 — 25 m.b |
| **Italian** | | |
| 19.00-19.30 | VII | 41/31/25 m.b |
| 20.00-20.30 | VII | 41/31/25 m.b |
| 21.00-21.30 | VII | 7005/7720/9860/ 12110 |
| **Japanese** | | |
| 21.30-22.00 | IX | 1040/3955/4960/ |
| 09.30-15.30 | IX | 1040/3955/4960 6955/7480/9972 |
| **Korean** | | |
| 10.00-11.00 | IX | 1020/4020 — 50/41 m.b |
| 12.00-12.30 | IX | 1020/4020/7150 — 50 m.b |
| 13.30-14.00 | IX | 1020/4020 — 50/41 m.b |
| **Laotian** | | |
| 00.00-00.30 | I | 31/25/19 m.b |

| Laotian | Area | kHz (or m.b) |
|---|---|---|
| 11.00-11.30 | I | 1190/1300/11980/ 15030 — 31 m.b |
| 13.00-14.00 | I | 11980 — 42/31 m.b |
| 14.30-15.00 | I | 1300 |
| **Malay** | | |
| 10.00-10.30 | I | 12055/15095 |
| 13.00-14.00 | I | 41/31/25/19 m.b |
| 14.30-15.00 | I | 41/31/25/19 m.b |
| **Persian** | | |
| 15.30-16.00 | II | 50/40/31/25 m.b |
| 18.00-18.30 | II | 40/31/25 m.b |
| **Portuguese** | | |
| 19.00-20.00 | VI | 42/31/25/19 m.b |
| 20.00-21.00 | VII | 15030 — 41/31/25 m.b |
| 22.00-23.00 | X | 12010/12055/15435 — 42/32/30 m.b |
| 00.00-01.00 | X | 12055 — 42/32/30 m.b |
| **Russian** | | |
| 03.00-03.30 | XI | 12110 |
| 03.30-04.30 | XI | 12110/15435 — 41/30 m.b |
| 04.30-05.00 | XI | 12110/15175 |
| 06.00-08.00 | XI | 15060 |
| 08.00-09.00 | XI | 6560 |
| 09.00-10.00 | XI | 11945 |
| 10.00-11.00 | XI | 5860/6025/6290/ 7035/7380/7620/ 9365/9480/9945/ 11445/11690/11945 |
| 11.00-12.00 | XI | 5860/6025/7380/ 7620/9365/9480/ 9945/11445/11690 |
| 12.00-13.00 | XI | 1525/7035/7380 30/25 m.b |
| 13.00-14.00 | XI | 1525 |
| 14.00-15.00 | XI | 1313/1525 |
| 15.00-20.00 | XI | 1525/5145/5860/ 6590/7035/7335/ 7620/7820/9365 — 33 m.b |
| 20.00-21.00 | XI | 1525 |
| 21.30-22.30 | XI | 5145/5860/6400/ 6645/6995/7035/ 7620/7820/9380 — 30 m.b |
| 22.30-23.30 | XI | 6290/6645/6955 |
| **Serbo-Croat** | | |
| 19.30-20.00 | VII | 9860/12055 — 48/42 m.b |
| 21.30-22.00 | VII | 6890/9860/12055 — 48 m.b |
| **Spanish** | | |
| 23.00-24.00 | XII | 9340/9945/11445/ |
| 00.00-01.00 | XII | 11610/11945/12110/ 15095/15195/17745 |
| 01.00-02.00 | XIII | 9340/9945/11610/ |
| 02.00-03.00 | XIII | 11820/11980/15080/ 15115/17650/17745 |
| **Standard Chinese** | | |
| 20.00-21.00 | VII | 6645 — 42/40/31/25 m.b |
| 22.30-23.00 | I | 6590/7035/7335/ 7620/9457/11690/ 11820 |
| 02.00-03.00 | III | 9920/11100/11445/ 11650/12010/12110/ 15095/15195 |
| 04.00-05.00 | IV | 9480/12010/15080 |
| 09.00-10.00 | V | 12010/15260 — 31 m.b |
| 13.00-14.00 | I | 12010/15060 — 42/31 m.b |
| 15.00-16.00 | VIII | 42/31/25 m.b |
| 17.30-18.30 | VI | |
| **Swahili** | | |
| 16.00-16.30 | VI | 41/31/25 m.b |
| 17.00-17.30 | VI | 41/31/25/19 m.b |
| **Tamil** | | |
| 14.30-15.00 | VIII | 42/31/25 m.b |
| 16.30-17.00 | VIII | 42/31/25 m.b |
| **Thai** | | |
| 23.30-24.30 | I | 12010 — 31/19 m.b |
| 11.30-12.00 | I | 1190/9457/15080 |
| 13.30-14.30 | I | 25 m.b |
| **Turkish** | | |
| 17.30-18.00 | II | 11690 — 40/31 m.b |
| 19.30 20.00 | II | 15030 — 40/31/25 m.b |
| **Vietnamese** | | |
| 22.30-23.30 | I | 1190/1300/6890/ 7060/9945 — 25/19 m.b |
| 11.30-12.00 | I | 1300/5545/9945/ 15095 — 25 m.b |
| 12.30-13.00 | I | 9945/12055 |
| 13.00-13.30 | I | 1300/12055/15030 31 m.b |
| 13.30-14.30 | I | 1300/12055/15030 — 31 m.b |
| 15.00-15.30 | I | 9340 — 41/25 m.b |

ANN: E: "This is Radio Peking" — F: "Ici Radio Pekin" — G: "Hier ist Radio Peking" — P: "Aqui Pequim" — R: "Govorit Pekin' — Sp: "Aqui Pekín".

## CHINA (Rep. of) (Taiwan)

**L.T:** GMT+8 h (Su: GMT+9 h) — **Pr.L:** Chinese.

### BROADCASTING CORPORATION OF CHINA

(Priv. enterprise under Gov. contract).
**ADDR:** Ren Ai Road, Taipei. **Te:** 72191. **Cable:** "Broadcast" — **L.P:** Pres: Lee Shih-feng.
**STATION:** Medium Waves:

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| BED34 | 660 | 20 | BED43 | 1060 | 1 | BED87 | 1390 | 1 |
| BED58 | 720 | 10 | BED57 | 1070 | 10 | BED65 | 1400 | 1 |
| BED2 | 750 | 150 | BED97 | 1100 | 100 | BED54 | 1410 | 1 |
| BED28 | 820 | 1 | BED72 | 1120 | 0.5 | BED80 | 1410 | 1 |
| BED25 | 860 | 1 | BED86 | 1160 | 1 | BED4 | 1410 | 0.1 |
| BED27 | 860 | 1 | BED89 | 1160 | 1 | BED48 | 1450 | 3.5 |
| BED24 | 890 | 1 | BED88 | 1170 | 1 | BED82 | 1460 | 1 |
| BED85 | 890 | 1 | BED32 | 1190 | 1 | BED81 | 1470 | 1 |
| BED96 | 900 | 100 | BED50 | 1200 | 100 | BED29 | 1470 | 0.1 |
| BED55 | 960 | 20 | BED79 | 1220 | 1 | BED83 | 1500 | 1 |
| BED62 | 1000 | 0.1 | BED47 | 1280 | 1 | BED64 | 1500 | 0.1 |
| BED53 | 1020 | 3.5 | BED63 | 1350 | 1 | BED78 | 1540 | 1 |
| BED26 | 1040 | 1 | BED23 | 1380 | 1 | | | |

**Short Waves:** (G.C: 121.24E/25.09N):

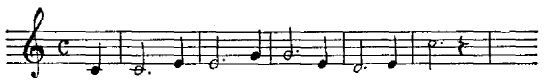
| Call | kHz | m | kW | Call | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| BED59 | 3215 | 91.31 | 3.5 | BED91 | 9655 | 31.07 | 10 |
| BED31 | 3230 | 92.88 | 1.5 | BED75 | 11725 | 25.59 | 50 |
| BED20 | 3335 | 89.96 | 10 | BED69 | 11825 | 25.37 | 25 |
| BED30 | 5980 | 50.17 | 3.5 | BED45 | 11860 | 25.30 | 50 |
| BED9 | 6040 | 49.67 | 7.5 | BED44 | 11905 | 25.20 | 3 |
| BED77 | 7110 | 42.19 | 1 | BED90 | 11940 | 25.13 | 35 |
| BED7 | 7130 | 42.08 | 50 | BED37 | 11970 | 25.06 | 3 |
| BED35 | 7150 | 41.96 | 3 | BED60 | 15125 | 19.83 | 100 |
| BED70 | 7185 | 41.75 | 35 | BED36 | 15280 | 19.63 | 3 |
| BED21 | 7250 | 41.38 | 10 | BED38 | 15320 | 19.58 | 3 |
| BED33 | 9630 | 31.15 | 3 | BED49 | 15345 | 19.55 | 25 |
| BED42 | 9660 | 31.05 | 35 | BED39 | 17720 | 16.93 | 50 |
| BED73 | 9685 | 30.98 | 25 | BED95 | 17780 | 16.88 | 50 |
| BED22 | 9690 | 30.96 | 10 | BED40 | 17890 | 16.77 | 50 |
| BED66 | 9765 | 30.72 | 50 | | | | |

**HOME SCE. in Chinese:**
**1st Net:** 660kHz 21.00-17.10 — **2nd Net:** 960kHz 21.00-22.00, 00.00-02.00, 03.55-16.00 — **3rd Net:** 890kHz 21.00-01.00, 04.00-15.00.

**FOREIGN SCE: Schedule November-February.**

| | kHz | | kHz |
|---|---|---|---|
| **English** | | **Korean** | |
| 02.00-03.50* | 7130/11825/ 15125/15345/ 17720/17780/ 17890 | 23.30-24.00**** | 9685/11825 |
| | | **Thai** | |
| | | 12.00-12.30 | 7130/9685/ 11825/17890 |
| 10.30-11.00** | 7130/9655/9685/ 11825/17890 | **Vietnamese** 11.00-11.30 | 7130/9685/ 9655/17890 |
| 18.00-19.00*** | 9685/9765/ 11725/11825/ 15125/17890 | **Chinese** | |
| | | 04.00-04.30a | 11825/17890/ 15345 |
| **French** | | | |
| 17.00-18.00 | 9685/9765/ 11725/11825/ 15125/17890 | 06.30-07.00b | 7130/11825/ 15345/17890 |
| | | 04.30-05.30d | 7130/9655/11825/ 17890/15125/ 15345/17720/ |
| **Indonesian** | | 05.30-06.30c | |
| 04.00-04.30 | 7130/9655 15125/17720 | 07.00-07.30e | 7130/11825/ 17890/15345 |
| 11.30-12.00 | 7130/9685/ 11825/17890 | 13.00-13.30a | 7130/9685/ 11825/17890 |
| **Japanese** | | | |
| 06.40-07.10 | 15125/17720/ 17780 | 13.30-14.00b | 9685/11825/17890 |
| | | 12.30-13.00e | 7130/9685/ |
| 09.50-10.20 | 7130/9685/ 11825/11860 | 14.00-15.00d | 11825/17890 |
| | | 15.10-16.10c | 7130/9685/9765/ 11725/11825/ |
| **Korean** | | | |
| 09.20-09.50 | 7130/9685/ 11825/11860 | | 15125/17890 |

* to No. America/Japan/Australia/NZ — ** to Australia/NZ/So. Ea. Asia (Dragon Show) — *** to Africa & Middle East — **** relay of KBS for Vietnam — a=Amoy; b=Hakka; c=Mandarin; d=Cantonese; e=Chaochow.
**News:** English 02.03, 02.30, 02.55, 03.20, 18.03, 18.30; **French** 17.00; **Indonesian** 04.07, 11.37; **Japanese** 05.10, 10.00; **Korean** 09.20; **Thai** 12.00; **Vietnamese** 11.00.
**ANN: Home Sce:** "This is BBC the 1st (2nd, 3rd . . .) net. (in Chinese)". For Overseas: "This is the Voice of Free China (a call of freedom in Asia)".
**INT-SIG:**



**V.** by letter of QSL-card. Re. in English and Chinese. Recordings accepted — **PUB:** Prgr. sched. free — **ALF:** NT $ 30.00.

### DEPARTMENT OF POSTS AND TELECOMMUNICATIONS

**Ministry of Communications** is a gov. authority responsible for determining power, frequency and supervising operations of all gov. and priv. radio and TV stations.
**ADDR:** No. 2, Sec. 1, Changsha Street, Taipei. **Te:** 23901-523.

### CHENG SHENG BROADCASTING CORP. (Comm.)

**ADDR:** 433 Chungking North Rd, Sec. 3. Taipei. **Te:** 48281. **Cable:** CSBCOD

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 1) BEC34 | 820 | 1 | 3) BEV59 | 850 | 1 | 6) BEV60 | 1020 | 1 |
| 2) BEV35 | 1340 | 1 | 4) BEV36 | 1130 | 1 | 7) BEV37 | 1270 | 1 |
| 3) BEV58 | 1230 | 1 | 5) BEV72 | 930 | 1 | | | |

1) Cheng Sheng, The First Dept, Taipei — 2) Cheng Sheng, The Second Dept, Taipei — 3) BEV58: The Farmers Broadc. St, First Dept. Taichung. BEV59: The Farmers Broadc. St, Second Dept, Taichung — 4) Yun Lin Broadc. St, Yun-Lin — 5) Kung Yi Broadc. St, Chiayi — 6) Cheng Yen Broadc. St, Kaohsiung — 7) Cheng Tung St, Taitung.
**HOME SCE:** 1) 21.00-18.00. **N:** Mandarin: Every h on the h — **V.** by letter. Recordings accepted.

### CHINA YOUTH BROADCASTING STATION (Gov.)

**ADDR:** 131 Duen Huah Rd, Taipei.
**STATIONS:** BEG22 1150kHz 3kW—BEG20 7180kHz 41.78m 0.5kW.
**HOME SCE. in Chinese:** 21.00-01.00, 03.00-07.00, 09.30-15.30.
**ANN:** "This is the Voice of Youth" (in Chinese only) — **V.** by letter.

### FU HSING BROADCASTING STATION Gov.)

**ADDR:** P.O. Box 799. Taipei. **Te:** 942448 — **L.P:** Dir. Gen: T. Pin-Sun Dir. Public Rel: L. Chin-Tao.
**HOME SCE. in Mandarin: Taipei:** 20.50-17.10 on 910/1090/1510kHz (BEH5/6/8), 20.50-17.10 on 790kHz (BEH4) — **Taichung:** 20.50-02.05, 02.50-06.05, 08.20-17.05 on 590/910/1510kHz (BEH32/34/35) — **Kaohsiung:** 20.50-02.05, 02.55-06.05, 08.25-17.05 on 590/910/1090/1510kHz (BEH42/43/44/45) — **Taitung:** 20.50-02.05, 02.50-06.00, 08.20-17.05 on 1090kHz (BEH52) — **Hualien:** 20.50-02.05, 02.55-06.05, 08.25-17.05 on 1090kHz (BEH56) — **Hsinchu:** 20.50-02.05, 02.50-06.05, 08.20-17.10 on 910/1090kHz (BEH62/63) — **Ilan:** 20.50-02.05, 02.55-06.00, 08.25-17.00 on 910kHz (BEH53) — **Sun-Moon-Lake:** 20.50-02.05, 02.55-06.00, 08.20-17.10 on 1090kHz (BEH33).


BCC

*Listen to*

Voice of Free China

International Service
**BROADCASTING CORPORATION OF CHINA**
Taipei, Taiwan, Republic of China

for

fast and comprehensive coverage

of

**THE FAR EAST**

FREQUENCIES:

| | |
|---|---|
| 7130-Kc | 11860-Kc |
| 9655-Kc | 15125-Kc |
| 9685-Kc | 15345-Kc |
| 9765-Kc | 17720-Kc |
| 11725-Kc | 17780-Kc |
| 11825-Kc | 17890-Kc |

ADDR: 209 Peitwen, Taichung — 195 Fu Hsing 2nd Rd, Kaohsiung — 11 Shengli Lane, Po Ai Rd, Taitung — 111 Peipin Str, Hualien — 526-3 Kuang Fu Road, Hsinchu — 50 Nu-chung Rd, Ilan — 82 Mingsheng Lane, Sun Moon Lake.

**POLICE BROADCASTING NETWORK Gov.)**
ADDR: No. 1, Tientsin Str. Taipei. **Te:** 24761.
**HOME SCE:** W 21.15-07.00, 08.20-16.00. Sun 23.30-17.00.

| | Call | kHz | m | kW | | Call | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|---|
| Taipei | BEP22 | 1260 | 238 | 10 | Changwa | BEP24 | 680 | 441.2 | 1.5 |
| — | BEP23 | 5960 | 50.34 | 1 | Kaohsiung | BEP25 | 1120 | 267.8 | 1.5 |
| Hsinchu | BEP26 | 1120 | 267.8 | 1.5 | | | | | |

N: 22.00, 23.30, 00.30, 02.30, 03.30, 04.30, 05.30, 07.30, 08.00, 09.30, 11.30, 13.30, 14.30, 15.30, 15.50 — **ANN:** "This is Police Broadc. St" (in Chinese only) — **V.** by letter.

**THE VOICE OF RIGHTEOUSNESS**
**ADDR:** 210 Chi-San-Yen. Shih Lin, Taipei County, Taiwan — **L.P:** Dir. Gen: **Wang Yi.**
**STATIONS** (G.C: 121.31E/25.03N): BEC78 620kHz 1kW. BEC77 5995kHz 50.04m 3kW — BEC76 7200kHz 41.67m 10kW.
**HOME SCE. in Chinese:** 20.55-24.00, 11.00-17.40: Cantonese 11.00-12.00. Tibetan 14.30-15.00. Other times in Mandarin. N: 22.10, 22.50, 23.10, 12.00, 12.20, 12.40, 13.00, 13.20, 13.40, 14.15, 17.00 — **V.** by letter. Re. in Chinese or English.

**MILITARY BROADCASTING STATIONS (Gov.)**
ADDR: Military Broadc. Corps, Ministry of National Defense, Taipei. The Military Broadc. Corps. and the Air Force Broadc. St. are two different organizations. The first belongs to the Political Dept. and Ministry of National Defense, the latter to Headquarters of Chinese Air Force. They are without any relationship in their adm. and service. .
**STATIONS:**

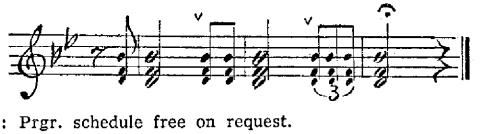
| | Call | kHz | m | kW | | Call | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|---|
| 1) | BEC22 | 1100 | 272 | 1.5 | 4) | BEC32 | 690 | 434.8 | 1.5 |
| | BEC23 | 1520 | 197.4 | 3 | 5) | BEC33 | 1350 | 222.2 | 1.5 |
| | **BEC24** | **7280** | **41.21** | **1.5** | | **BEC34** | **7270** | **41.27** | **1.5** |
| 2) | BEC25 | 700 | 428.6 | 3 | 6) | BEC35 | 770 | 389 | 0.5 |
| | **BEC26** | **6090** | **49.26** | **3** | | BEC36 | 1330 | 225.6 | 1.5 |
| 3) | BEC27 | 1290 | 232 | 1.5 | | **BEC37** | **5985** | **50.13** | **1** |
| | **BEC28** | **7240** | **41.44** | **1.5** | 7) | BEC38 | 840 | 357.1 | 0.3 |
| 4) | BEC29 | 1250 | 240.0 | 1.5 | | BEC39 | 1490 | 201.34 | 3 |

1) No. 3 Section 1, Hsinyi Road, Taipei: 22.00-24.00, 03.00-07.00, 09.00-16.00 — 2) Lanyealif, Shyhlin, Taipei: 22.00-03.00, 09.00-17.30 — 3) No. 3, Shyhfun Rd, Taichung: 22.00-03.00, 09.00-16.00 — 4) No. 101, Third Jengieng Rd, Kaohsiung — 5) No. 38 Sanmin Str, Hualien: 22.00-24.00, 03.00-07.00, 09.00-17.00 — 6) No. 40, New Mingdertsuen, Tsoying: 22.00-24.00, 03.00-07.00, 09.00-17.00 — 7) No. 14, Minsheng Rd Maagong, Penghwa.

**AIR FORCE BROADCASTING STATION (Military)**
**ADDR:** 1st and 2nd Dept: 44 Section 2, Jen Ai Rd, Taipei. **Te:** 28981.
**STATIONS:** (System: RCA):

| | | | |
|---|---|---|---|
| BEC70 | 980kHz 306.1m 3.5kW | BEC72 | 710kHz 422.5m 1.5kW |
| BEC60 | 1440kHz 208.3m 1 kW | BEC71 | 7260kHz 41.32m 3.5kWd |
| BEC61 | 6105kHz 49.14m 7.5kWd | BEC62 | 9745kHz 30.76m 3.5kWd |

**HOME SCE. in Mandarin: Taipei (Main st.):** 1st Dept: On 1440/7260kHz: 21.00-01.05, 03.55-06.45, 09.55-17.00. **N:** 23.00,05.00, 10.30, 12.00, 14.00. **English lessons:** 22.00. **English Songs:** 11.00 — 2nd Dept: On 980/6105kHz: 20.55-01.05, 10.55-17.00. **N:** 22.00, 23.30, 11.00, 12.30. **Taichung:** On 1430/9745kHz: 20.55-02.30, 08.55-17.10. **Tainan** (710kHz): 21.20-00.35, 03.55-06.05, 09.55-16.35. **English lessons:** 23.00.
**ANN:** "Voice of Chinese Air Force" — **INT-SIG:** (2nd Dept.) Sign of Freedom — **V.** by QSL-card.



**PUB:** Prgr. schedule free on request.

**ARMED FORCES RADIO TAIWAN (U.S. Armed Forces)**
**ADDR:** Box 25, APO San Francisco 96263, Calif, USA. **Te:** 31375 or U.S. Military 4173 — **L.P:** Officer-in-charge: Lt. B. H. Schneider, USN. Dir. Prgr's: J. M. Brooks, DNC. Dir. Eng: R. W. Henning, DNC.
**STATIONS** (mw 5kW, sw+FM 1kW): 1560kHz 192m — 100.1MHz 3990kHz 75.19m — 7215kHz 41.58m (G.C: 121.26E/25.06N).
**Relay st's:** Taichung 1580kHz 1kW — Tainan 1590kHz 1kW.
**HOME SCE. in English:** 24 h (exc. Sun 17.05-21.55) — **N:** every h on the h — **ANN:** "This is the Armed Forces Network Taiwan (Taipei, Tainan, Taichung)" — **V.** by QSL-card. Recordings accepted.

## HONG KONG (British)

**L.T:** GMT+8 h (Apr-Oct GMT+9 h) — **Pr.L:** Chinese.

**RADIO HONG KONG (Gov.)**
**ADDR:** Mercury House, P.O. Box 200, Hong Kong. **Te:** 226822. **Cable:** Broadcasts — **L.P:** Dir. of Broadc: D. E. Brooks. Deputy Dir. of Broadc: I. D. Kingsley, Secr: E. A. Fisher, E. D. Chief Eng: R. Winyard. Head, Chinese Sce: N. Y. Chow. Head, English Sce: T. A. Birch.
**STATIONS:** *Chinese Sce. **English Sce.
*640kHz 468.7m 2kW — *3940kHz 76.14m 2.5kW — **860kHz 348.8m 2kW — **91MHz 50kW — *94MHz 50kW.
**HOME SCE: English:** 23.00-16.00 — **N:** 00.00, 05.15, 11.00 (BBC Newsreel), 15.00 — **Wrp:** 23.58, 10.58, 13.13, 14.58. **Chinese:** 23.00-16.00 — **N:** 00.00, 05.30, 10.00, 12.00°, 12.30 — **Wrp:** 23.58, 05.28, 11.58, 15.30 — °Rel Far Eastern St. from London.
**ANN:** English: "This is R. Hong Kong". Chinese: "Ni do hai Heung Kong Kwong bor deen toy" — **V.** by QSL-card. Recordings accepted.

**HONG KONG COMMERCIAL BROADCASTING CO., LTD...**
**ADDR:** P.O. Box 3000, Hong Kong. **Te:** 236223. **Cable:** Radioads. **L.P:** Man. Dir: G. Ho. Dir. Tec: W. S. Ip.
**STATIONS** (System: AWA, Can. G. E.): 1050kHz 2kW: Cantonese — 1170kHz 2kW: Cantonese — 1530kHz 2kW: English.
**HOME SCE:** on all freq's: 23.00-16.00.
**English: N:** 23.15, 00.00, 01.00, 03.00, 05.15, 07.00, 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00 — **Wrp:** 23.20, 00.10, 01.02, 03.02, 05.25, 07.02, 10.02, 11.10, 12.02, 13.02, 14.02, 15.02, 16.02.
**Cantonese: N:** 23.00, 00.00, 01.00, 03.00, 05.15, 07.00, 10.00, 13.00, 16.00 — **Wrp:** 23.30, 01.00, 03.00, 05.15, 10.05, 16.01 — **L.L:** (English) W 10.45-11.00 — **ANN:** E: "Commercial Radio Hong Kong" — **INT-SIG:** Chimes — **V.** by letter. Recordings accepted.

**REDIFFUSION (HONG KONG) LTD.**
A subsidiary of Rediff. Ltd. London (Comm.) — **Addr:** P.O. Box 121, Hong Kong. **Cable:** Rediffuse. **Te:** 72-2211. **L.P:** Gen. Mgr: R. J. Warren. Man. Dir: G. H. Oldridge. Comm. Mgr: J. Sloan. Chief Eng: A. T. B. Bardens F.I.E.E., M.I.E.R.E. Dir. in Charge (Chinese Prgr): R. C. W. Chung. Contr. English Prgr: W. P. Sanderson — 4 simultaneous wired broadc. net-w's — Originating own prgr's, also relay R. Hong Kong, BBC, etc: D 22.00-15.00.

## INDIA

**L.T:** GMT+5½ h — **Pr.L:** Hindi, Marathi, Oriya, Bengali, Assamese, Tamil, Telugu, Urdu, Kannada, Kashmiri, Sanskrit, Dogri, Sindhi, Punjabi, Malayalam, English.

**ALL INDIA RADIO (Gov.)**
**ADDR:** Directorate General, Akashvani Bhavan, Parliament Str, New Delhi 1. **Te:** 30101. **Cable:** Airgeneral.
**L.P:** Dir. Gen: Dr. V. K. Narayana Menon. Dep. Dir. Gen. (Prgr): A. K. Sen. Dir. Prgr: B. S. Anand. Dept. Dir. Gen. (Adm): S. N. Pandita. Dep. Dir. Gen. (Inspection): Miss M. Masani. Chief Eng: S. S. Aiyar. Dir. News Sce: G. C. Mirchandani. Dir. External Sce: Shri K. P. Shungloo. Dir. Staff Training: R. Chander. Dir. Listeners Research: S. C. Parashar.
**STATIONS: Medium Waves:**

| **North Regional** | **kHz** | **m** | **West Regional** | **kHz** | **m** |
|---|---|---|---|---|---|
| Delhi A | 810 | 370.4 | Nagpur A | 670 | 447.8 |
| Delhi B | 1070 | 280.4 | Nagpur B | 1000 | 300.0 |
| Delhi C | 1020 | 294.1 | Ahmedabad A | 850 | 352.9 |
| Delhi D | 1570 | 191.1 | Ahmedabad B | 1400 | 214.3 |
| Lucknow A | 760 | 394.7 | Baroda | 850 | 352.9 |
| Lucknow C | 910 | 329.7 | Poona A | 780 | 384.6 |
| Allahabad | 950 | 315.8 | Poona B | 970 | 309.5 |
| Allahabad B | 1420 | 211.3 | Rajkot A | 910 | 329.7 |
| Jabalpur | 1180 | 253.0 | Rajkot B | 1420 | 211.3 |
| Patna A | 620 | 483.9 | Panjim (Goa) | 880 | 340.9 |
| Patna B | 1500 | 200.0 | Sangli | 1250 | 240.0 |
| Jullundur | 710 | 422.5 | Bhuj | 1290 | 232.6 |
| Jaipur A | 1480 | 202.7 | **East Regional** | **kHz** | **m** |
| Jaipur B | 1270 | 236.2 | Calcutta A | 590 | 508.5 |
| Jodhpur | 820 | 365.9 | Calcutta B | 1130 | 265.5 |
| Ajmer | 600 | 500.0 | Calcutta C | 1540 | 194.8 |
| Indore A | 650 | 461.5 | Cuttack A | 965 | 310.9 |
| Indore B | 1590 | 188.7 | Cuttack B | 1350 | 222.2 |
| Dhawar B | 1160 | 258.6 | Gauhati A | 730 | 411.0 |
| Vishakhapatham | 930 | 322.6 | Gauhati B | 1030 | 291.3 |
| Cuddapah | 900 | 333.3 | Kohima | 1490 | 201.3 |
| Bhadrawathi | 800 | 375.0 | Sambalpur | 860 | 348.8 |
| Gulbarga | 1110 | 270.3 | Siliguri | 1560 | 192.3 |
| **West Regional** | **kHz** | **m** | Bhopal A | 1520 | 197.4 |
| Bombay A | 1040 | 288.5 | Bhopal B | 1200 | 250.0 |
| Bombay B | 550 | 545.5 | Chandigarh | 1220 | 246.0 |
| Bombay C | 1230 | 243.9 | Ranchi | 560 | 535.7 |

| East Regional | kHz | m | South Regional | kHz | m |
|---|---|---|---|---|---|
| Varanasi | 1240 | 241.9 | Trivandrum A | 660 | 454.5 |
| Bikaner | 1330 | 225.6 | Trivandrum B | 1140 | 263.2 |
| Kanpur | 1440 | 206.9 | Calicut A | 680 | 411.2 |
| Raipur | 980 | 306.1 | Calicut B | 1090 | 275.0 |
| Gwalior | 1390 | 215.8 | Trichur | 580 | 517.2 |
| Rampur | 1320 | 227.3 | Hyderabad A | 740 | 405.4 |
| Bhagalpur | 1470 | 204.1 | Hyderabad B | 1060 | 283.0 |
| Mathura | 1570 | 191.1 | Hyderabad C | 1220 | 245.9 |
| Udaipur | 1170 | 256.4 | Bangalore A | 610 | 491.8 |
| **South Regional** | **kHz** | **m** | Bangalore B | 820 | 365.9 |
| Madras A | 720 | 416.7 | Dhawar A | 1360 | 220.6 |
| Madras B | 1420 | 211.3 | Port Blair | 1440 | 208.3 |
| Madras C | 1550 | 193.5 | Imphal | 1390 | 215.8 |
| Tiruchi A | 940 | 319.1 | Jeypore | 1460 | 205.5 |
| Tiruchi B | 1480 | 202.7 | Shillong | 1200 | 250.0 |
| Tirunelveli | 1200 | 250.0 | Pasighat | 1060 | 283.0 |
| Vijayawada A | 840 | 357.1 | Agartala | 1270 | 236.2 |
| Vijayawada B | 1500 | 200.0 | Aijal | 920 | 326.1 |

**Short Waves:** Delhi VUD: 10/20/50/100kW (G.C: 77.12E/28.43N).

| kHz | m | kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|---|---|
| 3295 | 91.05 | 7215 | 41.58 | 9740 | 30.80 | 11865 | 25.28 | 15190 | 19.75 |
| 3365 | 89.15 | 7225 | 41.52 | 9765 | 30.72 | 11815 | 25.26 | 15240 | 19.69 |
| 3905 | 76.82 | 7235 | 41.47 | 9912 | 30.27 | 11875 | 25,26 | 15250 | 19.67 |
| 3925 | 76.43 | 7285 | 41.18 | 10335 | 29.03 | 11885 | 25.24 | 15255 | 19.67 |
| 4760 | 63.03 | 7290 | 41.15 | 11620 | 25.82 | 11895 | 25.22 | 15290 | 19.62 |
| 4860 | 61.73 | 9525 | 31.50 | 11710 | 25.62 | 11910 | 25.19 | 15310 | 19.60 |
| 4960 | 60.48 | 9530 | 31.48 | 11755 | 25.52 | 11920 | 25.17 | 15430 | 19.44 |
| 4990 | 60.12 | 9575 | 31.33 | 11715 | 25.61 | 11925 | 25.16 | 17705 | 16.94 |
| 6040 | 49.67 | 9590 | 31.28 | 11760 | 25.51 | 15080 | 19.89 | 17715 | 16.93 |
| 6050 | 49.59 | 9600 | 31.25 | 11775 | 25.48 | 15105 | 19.86 | 17720 | 16.93 |
| 6140 | 48.86 | 9615 | 31.20 | 11780 | 25.47 | 15135 | 19.82 | 17780 | 16.87 |
| 6190 | 48.47 | 9630 | 31.15 | 11790 | 25.45 | 15155 | 19.80 | 17800 | 16.85 |
| 7105 | 42.22 | 9680 | 30.99 | 11810 | 25.40 | 15160 | 19.79 | 17825 | 16.83 |
| 7120 | 42.11 | 9690 | 30.96 | 11820 | 25.38 | 15165 | 19.78 | 17830 | 16.83 |
| 7125 | 42.11 | 9695 | 30.94 | 11845 | 25.33 | 15175 | 19.77 | 17890 | 16.77 |
| 7150 | 41.96 | 9705 | 30.91 | 11850 | 25.32 | 15180 | 19.76 | 21580 | 13.90 |
| 7165 | 41.87 | 9730 | 30.83 | 11855 | 25.31 | 15185 | 19.76 | 21615 | 13.88 |
| 7195 | 41.70 | | | | | | | | |

**Lucknow (No. Reg. Sce.)** 10kW: 3205kHz 93.60m — 7250kHz **41.38m.**

**Simla (No. Reg. Sce.)** 2.5kW: 3223kHz 93.09m — 6020kHz 49.83m.

**Bhopal (No. Reg. Sce.)** 10kW: 3315kHz 90.50m — 5990kHz 50.08m — 7180kHz 41.78m — 4990kHz 60.12m.

**Madras (So. Reg. Sce.)** VUM 4920kHz 60.98m — 7160kHz 41.90m (10kW) — 15335kHz 19.56m (100kW).

**Hyderabad (So. Reg. Sce.)** 10kW: 3355kHz 89.42m — 4800kHz 62.50m — 6120kHz 49.02m — 7140kHz 42.02m.

**Bombay (West Reg. Sce.)** VUB 3295kHz 91.05m — 4840kHz 61.98m — 6150kHz 48.78m — 7240kHz 41.44m (all 10kW) — 11760kHz 25.51m 100kW — 11965kHz 25.07m 100kW — 15080kHz 19.89m 100kW — 17760kHz 16.89m 100kW.

**Calcutta (Ea. Reg. Sce.)** VUC (10kW): 3305kHz 90.77m — 4820kHz 62.24m — 6010kHz 49.92m — 7210kHz 41.61m.

**Gauhati (Ea. Reg. Sce.)** 10kW: 3235kHz 92.74m — 3375kHz 88.89m — 4775kHz 62.84m — 4940kHz 60.73m — 5970kHz 50.25m — 6130kHz 48.94m — 7280kHz 41.21m — 7150kHz 41.96m.

**Kurseong (Ea. Reg. Sce.)** 10kW: 3355kHz 89.42m — 4895kHz 61.29m — 7230kHz 41.49m.

**Kohima (Ea. Reg. Sce.)** 2kW: 4850kHz 61.86m — 6065kHz 49.46m — 7170kHz 41.84m.

HOME SERVICES

**NORTH REG. SCE: Delhi A:** 00.30-18.30 on 810/3365/6190/7290kHz (sw's variable) — **Delhi B:** 02.30-03.30, 07.30-09.00 on 1070kHz; 12.25-17.30 on 1070/3365/3905/6140kHz (sw's variable) — **Delhi C:** 14.15-14.45 on 1370/3905kHz — **Delhi D:** 12.25-17.30 on 1570/3365/4750kHz (sw's variable) — **Lucknow:** 01.00-04.00, 07.00-10.00, 11.45-17.30 on 760/1320/3205/6170/7250kHz (sw's variable) — **Simla:** 01.00-03.00, 12.30-16.30 on 3223kHz — **Bhopal:** 01.00-03.50, 07.00-08.50, 12.30-17.15 on 1520/3315/7180/5990kHz (sw's variable).

**SOUTH REG. SCE: Madras A:** 00.30-05.30, 07.00-08.40, 12.00-17.30 on 720/4920/7160kHz (sw's variable) — **Madras B:** 00.30-02.45, 06.25-08.30, 12.00-17.10 on 1420/4920kHz (sw variable) — **Hyderabad:** 00.30-03.30, 07.00-09.20, 12.00-17.15 on 740/3355/4800/6120/7140kHz (sw's variable).

**WEST REG. SCE: Bombay A:** 01.30-03.30, 06.30-10.00, 12.30-18.00 on 1040kHz — **Bombay B:** 00.30-17.30 on 550/3295/4840/6150/7240kHz (sw's variable).

**EAST RE. SCE: Calcutta A:** 00.30-17.30 on 670/3305/4820/7210/6010kHz (sw's variable) — **Calcutta B:** 01.00-03.30, 07.00-08.50, 11.30-17.10 on 1130kHz — **Gauhati A:** 00.30-03.30, 07.00-08.30, 10.30-17.10 on 730/3375/4940/5970/7280kHz (sw's variable).

**Gauhati B+C:** 01.00-01.45, 02.00-03.30, 05.20-07.00, 07.30-10.05, 10.30-12.30, 12.45-16.30 on 1030/3235/4775/6130/7150kHz (sw's variable) — **Kurseong:** 01.25-04.00 on 4895kHz, 05.20-09.30 on 7230kHz, 11.30-17.10 on 3355kHz — **Kohima:** 01.00-04.45, 07.30-08.30, 10.30-16.00 on 1490/4850/6065/7170kHz (sw's variable).

**HOME NEWS in English (on shortwaves):**
**01.10-01.15:** On 3365, 4960, 6040, 7105, 7125, 9525, 9590, 11810kHz


# ALL INDIA RADIO BROADCASTS IN 21 LANGUAGES ROUND THE CLOCK TO

**EUROPE, AFRICA, ASIA, AUSTRALIA & NEW ZEALAND**

**News, Talks, Commentaries, Music, Plays, Features & other Programmes of interest to listeners**

Programme Schedules are available on request from

THE DIRECTOR OF EXTERNAL SERVICES

# ALL INDIA RADIO

POST BOX 500

NEW DELHI (INDIA)

**02.30-02.45:** On 4990, 6050, 7105, 7195, 9730, 11710, 11850, 15310kHz (Delhi), 3223 (Simla), 5990 (Bhopal), 4920 (Madras), 6120 (Hyderabad), 5970 (Gauhati), 4950 (Jammu), 3277kHz (Srinagar), 4850kHz (Kohima).
**08.00-08.10:** On 7120, 7290, 9705, 11715, 11910, 15105, 15185, 17720 (Delhi), 7160kHz (Madras), 7140kHz (Hyderabad), 7170kHz (Kohima). ..
**15.30-15.45:** On 3295, 3925, 4760, 4860, 6140, 7125, 7150, 7195, 9535, 10335kHz (Delhi), 3223 (Simla), 3315 (Bhopal), 4920 (Madras), 4800 (Hyderabad), 3235 (Gauhati), 3345 (Jammu), 3277 (Srinagar), 3355 (Kurseong), 4850kHz (Kohima).
**17.00-17.05 (Sat 17.30-17.35)** On 3295, 3925, 4760, 6140, 7150, 7195, 9535, 10335kHz (Delhi).
**ALL INDIA VARIETY PRGR.** (Vividh Bharati): **Short Wave Sce:** 01.30-03.00 on 6035kHz, 04.45-07.00 on 9510kHz, 08.30-10.15, 01.30-04.00 on 7260/9575/9600kHz, 10.30-12.00 on 9615kHz, 10.30-11.00 on 9575kHz, 13.00-17.10 (Sat 17.40) on 6085kHz, 13.00-15.00 on 9575kHz.
**URDU PRGR:** 03.00-05.00 on 7120kHz, 08.30-11.30 on 9690kHz, 15.00-19.00 on 710/3365kHz.

### EXTERNAL SERVICES

*=Madras tr; **=Bombay tr; Others New Delhi.

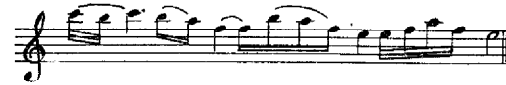
**GENERAL SERVICE (for Indians Overseas):**

| So. East Asia | L | kHz | Beam | N |
|---|---|---|---|---|
| 23.15-00.15 | Hindi | 9530 | 132° | 23.20-23.30 |
| 00.15-01.00 | Tamil | 11810[1] | 136° | 00.20-00.30 |
| 11.30-12.30 | Tamil | 15335* | 110° | |
| **East Africa** | | | | |
| 03.30-04.15 | Hindi | 17760** | 250° | 03.35-03.45 |
| 04.15-04.30 | Gujerati | 17760** | 250° | 04.15-04.30 |
| 04.30-04.40 | Konkani | 17760** | 250° | 04.30-04.40 |
| 15.45-16.15 | Swahili | 15105/11755[2] | 224°/245° | |
| 16.15-17.00 | Hindi } | 15080**/17830 | 250°/245° | 16.20-16.30 |
| 17.00-17.45 | Guierati } | | | 17.00-17.10 |
| **EASTERN SERVICE** | | | | |
| **Nepal** | | | | |
| 01.30-02.15 | Nepali | 60203/7225/9630 | nd/102°/102° | 02.00-02.10 |
| 06.30-07.00 | Nepali | 9705/11715/15185 | nd/102°/102° | 06.30-06.40 |
| **Burma** | | | | |
| 00.40-01.15 | Burmese | 9765/11785[4] | 132°/102° | 00.41-00.50 |
| 11.15-12.15 | Burmese | 15105/17780 | 125°/102° | 11.16-11.25 |
| **Thailand** | | | | |
| 11.40-12.00 | Thai | 17705/21580 | 132°/102° | 11.45-11.55 |
| **China** | | | | |
| 11.45-12.30 | Cantonese | 11885/15160 | 44°/68° | 11.46-11.55 |
| 12.30-13.15 | Kuoyu | 11885/15160 | 44°/68° | 12.31-12.40 |
| **Bhutan, Sikkim** | | | | |
| 03.15-03.30 | Tibetan | 11925/15160 | 102° | 03.16-03.21 |
| 12.30-13.15 | Tibetan | 9705/11780 | 102° | 12.45-12.55 |
| **Indonesia** | | | | |
| 08.45-09.45 | Indonesian | 15290/17715 | 125°/132° | 08.46-08.55 |
| **East Asia** | | | | |
| 11.15—11.30 | **French** | 17705/21580 | 132°/102° | 11.16-11.25 |
| **Ceylon** | | | | |
| 12.45-13.15 | Sinhala | 15430/17825[5] | | 12.50-12.57 |
| **WESTERN SERVICE** | | | | |
| **Afghanistan** | | | | |
| 02.45-03.00 | Pushto | 7195/9575 | nd | 02.50-03.00 |
| 07.00-07.30 | Pushto | 11810/15290 | 334°/nd | 07.05-07.10 |
| 07.30-08.00 | Afghan-Persian | 11810/15290 | 334°/nd | 07.35-07.45 |
| 14.45-15.30 | Pushto | 3905 | nd | 14.50-15.00 |
| **Iran** | | | | |
| 03.45-0400 | Persian | 15190/17830 | 282° | 03.50-04.00 |
| 16.15-17.15 | Persian | 9680/11760[6] | 282° | 16.16-16.26 |
| **West Asia** | | | | |
| 05.00-05.30 | Arabic | 15255[7]/17705 | 282° | 05.05-04.00 |
| 17.30-18.30 | Arabic | 9912/11760 | 282° | 17.45-17.55 |
| 18.45-19.30 | **French** | 9912/11760 | 282° | 18.50-19.00 |

**GENERAL OVERSEAS SERVICE in English**

| Europe | kHz | Beam | N |
|---|---|---|---|
| 17.45-22.30 | 7215 | 312° | 20.00-20.05 |
| 17.45-20.30 | 11620 | 312° | 21.00-21.20 |
| 19.45-22.30 | 9912 | 320° | 22.00-22.10 |

During March/April the schedule will remain the same with the following exceptions: 1) 11875kHz; 2) 17830kHz; 3) 6050kHz; 4) 11790kHz; 5) 17715kHz; 6) 11895kHz; 7) 15250kHz; 8) 15175kHz; 9) 11965kHz; 10) 17800kHz; 11) 11820kHz.
There will be changes in frequencies from time to time and listeners are advised to listen to announcements which will cover all such changes.
**ANN:** Home Sce: "This is All India Radio". External Sce: "This is Delhi calling in the External Services of All India Radio".
**INT-SIG:** All India Radio's signature is a melody of eight seconds' duration repeated with intervals of 10 seconds in between. The instruments used are violin, cello and tampura.



**V.** by QSL-card — **PUB:** "India Calling" free of charge — prgr. journal in English. Requests for free supply of copies may be made either ot the Dir. of External Services of All India Radio, New Delhi, or through the Indian Diplomatic Mission concerned.

**RADIO KASHMIR**
**Srinagar A:** 1120kHz 267.9m 01.30-17.35: **Jammu:** 01.00-04.00, 05.20-09.30, 11.30-17.35 on 990/3345/4950/5960kHz (sw's variable).

## INDONESIA

**L.T:** We Indonesia: GMT+7 h, Ce. Indonesia: GMT+8 h, Ea. Indonesia (West Irian): GMT+9 h — **Pr.L:** Indonesian.

**RADIO REPUBLIK INDONESIA (Gov.)**
**Addr:** P.O. Box 157, Djakarta. **Te:** 49091. **Cable:** RRI. **L.P:** Dir: L. S. Toenara. Dir. of Eng: R. M. Soenarjo Soerjopranoto. Dir. of Broadc. Sce's: R. Soemarso. Dir. of N: R. Sarwoko. Dir. of Gen. Affair: Kamaluddin SH. Dir. of Public and International Rel: Moh. Rais Baheramsjah.

**HOME SERVICES: Stations**

| Call | kHz | m | kW | Call | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| **Djarkarta** | 2312 | 129.8 | 2 | YDP2 | 3395 | 88.37 | 1 |
| YDB | 2460 | 121.9 | 2 | YDP | 5030 | 59.64 | 20 |
| YDD | 3277 | 91.55 | 7.5 | YDP3 | 7240 | 41.44 | 7.5 |
| YDB2 | 4805 | 62.43 | 50 | **Sibolga** (No. Sumatra) | | | |
| YDF | 6045 | 49.63 | 100 | YDM | 3241 | 92.56 | 1 |
| YDB3 | 7270 | 41.27 | 1 | — | 4755 | 63.09 | — |
| — | 9770 | 30.71 | 20 | **Pakanbaru** (Ce. Sumatra) | | | |
| YDF6 | 9865 | 30.40 | 50 | — | 3465 | 86.58 | 1 |
| YDE | 11770 | 25.49 | 20 | 8FK24 | 5955 | 50.38 | 10 |
| YDC | 15150 | 19.80 | 7.5 | — | 5990 | 50.08 | 0.5 |
| **Bandung** (We. Java) | | | | **Djambi** (Ea. Sumatra) | | | |
| YDA2 | 2420 | 124.0 | 0.25 | — | 2490 | 120.5 | 0.3 |
| YDA | 3205 | 93.60 | 10 | YDK7 | 3375 | 88.89 | 1 |
| YDA3 | 4905 | 61.16 | 1 | — | 4775 | 62.84 | 7.5 |
| **Tjirebon** (We. Java) | | | | **Padang** (We. Sumatra) | | | |
| YDA6 | 2390 | 125.5 | 0.3 | YDL | 2480 | 75.76 | 10 |
| — | 2390 | 125.5 | 1 | YDL2 | 3960 | 75.76 | 10 |
| **Purwokerto** (Ce. Java) | | | | 8FK35 | 6170 | 48.62 | 10 |
| — | 3395 | 88.37 | 0.15 | **Bukittinggi** (We. Sumatra) | | | |
| — | 3448 | 87.11 | 0.75 | YDM | 3232 | 92.82 | 0.3 |
| **Jogiakarta (Ce. Java)** | | | | YDM2 | 4910 | 61.10 | 1 |
| YDJ3 | 2350 | 127.6 | 1 | **Palembang** (So. Sumatra) | | | |
| YDJ | 5047 | 59.43 | 20 | YDK | 2430 | 123.5 | 1 |
| YDJ2 | 7105 | 42.22 | 7.5 | — | 4855 | 61.79 | 10 |
| **Surakarta** (Ce. Java) | | | | **Tandjung Pinang** | | | |
| — | 4890 | 61.35 | 10 | YDX | 4931 | 60.84 | 1 |
| YDG3 | 2440 | 122.9 | 1 | **Pontianak** (We. Kalimantan) | | | |
| **Semarang** (Ce. Java) | | | | YDW1 | 3345 | 89.68 | 10 |
| YDH | 2490 | 120.5 | 0.1 | YDW | 4320 | 69.44 | 1 |
| YDH2 | 3935 | 76.24 | 5 | **Bandjarmasin** (So. Kalimantan) | | | |
| **Madiun (Ea. Java)** | | | | YDO | 3250 | 92.31 | 1 |
| YDG6 | 3286 | 91.26 | 1 | YDO2 | 5970 | 50.25 | 10 |
| **Surabaja** (Ea. Java) | | | | **Samarinda** (Ea. Kalimantan) | | | |
| YDI3 | 2370 | 126.6 | 1 | YDJ | 3295 | 91.05 | 7.5 |
| — | 2975 | 100.8 | 10 | — | 4890 | 61.35 | 1 |
| YDI2 | 2975 | 100.8 | 2 | **Palangkaraja** (Ce. Kalimantan) | | | |
| **Diember** (Ea. Java) | | | | YDZ7 | 3325 | 90.23 | 1 |
| YDI6 | 3315 | 90.50 | 1 | **Makasar** (Sulawesi) | | | |
| **Sumenep** (Ea. Java) | | | | YDQ | 2490 | 120.5 | 0.3 |
| YDI20 | 3345 | 89.68 | 1 | YDQ4 | 4750 | 63.16 | 20 |
| **Kotaradja** (Banda Atjeh) | | | | YDQ2 | 9550 | 31.41 | 7.5 |
| — | 2390 | 125.5 | 0.75 | YDQ3 | 11785 | 25.46 | 1.5 |
| YDN | 2390 | 125.5 | 1 | **Menado** (Sulawesi) | | | |
| — | 4985 | 60.18 | 10 | YDS2 | 5990 | 50.08 | 10 |
| **Medan** (No. Sumatra) | | | | YDS2 | 7295 | 41.12 | 1 |

| Call | kHz | m | kW |
|---|---|---|---|
| **Gorontalo** (Sulawesi) | | | |
| YDS6 | 4900 | 61.22 | 1 |
| **Denpasar** | | | |
| YDU2 | 3945 | 76.05 | 1 |
| — | 7120 | 42.13 | 10 |
| **Singaradja** | | | |
| YDU7 | 2420 | 124.0 | 0.25 |
| **Mataram** | | | |
| YDV5 | 3223 | 93.09 | 1 |
| **Kupang** | | | |
| YDV | 3259 | 92.05 | 5 |
| — | 3385 | 88.63 | 0.5 |
| **Ambon** | | | |
| YDR3 | 3241 | 92.56 | 10 |
| YDRI | 7432 | 40.36 | 1 |
| **Sukarnopura** | | | |
| 8FW34 | 3325 | 90.23 | 10 |
| 8FW3 | 6070 | 49.42 | 0.5 |
| 8FW33 | 7190 | 41.72 | 10 |
| 8FW30 | 9745 | 30.78 | 10 |
| 8FW2 | 15344 | 19.55 | 0.5 |
| **Ternate** | | | |
| YDZ | 3915 | 76.64 | 0.3 |
| YDZ2 | 3945 | 76.05 | 0.3 |
| **Sorong** | | | |
| 8FW20 | 4872 | 61.58 | 10 |
| — | 7168 | 41.87 | 0.5 |
| **Fak Fak** | | | |
| 8FW40 | 4804 | 62.3 | 0.5 |
| **Manokwari** | | | |
| 8FW5 | 3365 | 89.15 | 0.5 |
| **Biak** | | | |
| 8FW50 | 3395 | 88.37 | 0.5 |
| — | 7230 | 41.49 | 1 |
| **Merauke** | | | |
| 8FW6 | 3985 | 75.28 | 0.25 |
| **Tandjung Karang** | | | |
| — | 2380 | 126.0 | 1 |
| **Bogor** | | | |
| — | 3875 | 77.41 | 1 |
| **Kendari** | | | |
| — | 5271 | 56.92 | 300W |
| — | 3960 | 75.76 | 100W |
| **Palu** | | | |
| — | 5738 | 52.28 | 1 |
| **Malang** | | | |
| — | 2430 | 123.5 | 0.06 |

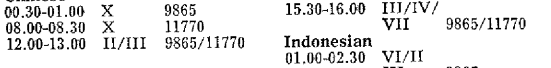
**National Prgr.** (Djakarta): 22.58-02.00 on 6045, 9770kHz; 04.58-08.00 on 9770, 11770kHz; 10.00-18.00 on 6045, 9770kHz — **N:** 23.00, 24.00, 01.00, 01.15*, 05.00 (exc. Fri) 06.00, 07.00, 12.00, 15.00, 15.50 — *) dictation — **Economic Reports:** 07.45, 13.00 — **L.L: English** Sun 14.30[1], Wed 11.00[1], 14.30[2], Sat 11.00[2] (1) English for you, 2) Keep up your English) — **French** Mon, Thurs 11.00, 14.30 — **German** Tues, Fri 11.00, 14.30.
**Local Prgr. (Djakarta):** 22.58-02.00 on 2312, 2460kHz; 02.00-08.00 on 2312kHz; 09.58-16.00 on 2460kHz — **N:** 11.30 (capital N) — **Special Prgr:** 23.00-07.00, 14.00-16.00 on 3277, 4805kHz.
**ANN: Nat. Prgr:** "Inilah R. Republik Indonesia, Programa Nasional Djakarta". Local Prgr: "Inilah R. Republik Indonesia Djakarta Dengan Siaran Untuk Masjarakat Ibukota Dan Sekitarnja". Special Prgr: "Inilah R. Republik Indonesia Programa Chusus Djakarta". For all N. broadcasts: "Inilah R. Republik Indonesia Dengan Warta-Berita".

**FOREIGN SERVICE**

**STATIONS:** Djarkarta (G.C: 106.50E/06.12S): 20/50kW YDF6 9865kHz 30.40m 50kW — YDF 11770kHz 25.49m 20kW. 1= Australia/NZ/Pacific; II=So. Ea. Asia; III=Ea. Asia; IV=So. Asia; V=Japan; VI=USA (West Coast); VII=Africa; VIII=Europe; IX=Mid. East; X=Malaysia.

| Arabic | Areas | kHz |
|---|---|---|
| 13.00-14.00 | IV | 9865/11770 |
| 16.15-17.00 | IX | 9865 |
| **Chinese** | | |
| 00.30-01.00 | X | 9865 |
| 08.00-08.30 | X | 11770 |
| 12.00-13.00 | II/III | 9865/11770 |
| **English** | | |
| 23.30-24.00 | X | 9865 |
| 09.00-09.30 | X | 11770 |
| 11.00-12.00 | I | 9865/11770 |
| 14.30-15.30 | II/III/ IV/V/ VI | 9865/11770 |
| 19.00-20.00 | I/VIII | 9865 |
| **French** | | |
| 17.00-18.00 | VII/ VIII/ IX | 9865 |
| **Hindi** | | |
| 15.30-16.00 | III/IV/ VII | 9865/11770 |
| **Indonesian** | | |
| 01.00-02.30 | VI/II III | 9865 |
| 18.00-19.00 | VIII/ IX | 9865 |
| **Malay** | | |
| 00.00-00.30 | X | 9865 |
| 08.30-09.00 | X | 11770 |
| **Urdu** | | |
| 14.00-14.30 | II/IV | 9865/11770 |

**News English:** 23.32, 00.02, 11.15, 14.45, 19.15. **French:** 17.15. **Arabic:** 13.15, 16.30. **Chinese:** 00.45, 08.10, 12.30. **Hindi:** 15.40. **Indonesian:** 01.15, 02.25, 18.45. **Malay:** 00.02, 08.32, 14.04.
**ANN:** E: "This is the Voice of Indonesia broadc. from Djakarta". **F:** "Ici Djakarta, la voix de l'Indonesie".
**INT-SIG;** Rajuan Pulau Kelepa (the song of the Coconut Islands played on Hammond organ, Flute, Vibe and Piano).



**V.** by QSL-card or letter. Listeners rep's are welcome — **PUB:** Weekly: R.R.I., Radio dan Televisi (home prgr). Write to "Voice of Indonesia", RRI, P.O. Box 157, Djakarta.

## IRAN

**L.T:** GMT+3½ h — **Pr.L:** Farsi.

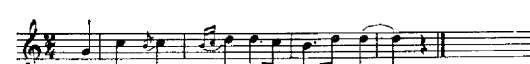
**MINISTRY OF INFORMATION (Gov.)**
**ADDR:** Ministry of Information, Meidan Ark, Tehran. **Te:** 55161. **Telex:** 2077. **Cable:** "Varatel" — **L.P:** Gen. Mgr. & Chief Eng: M. R. Atefi.
**STATIONS** (G.C: 51.27E/35.41N):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 895 | 335.2 | 50 | 3870 | 77.52 | 100 | 11705 | 25.63 | 100 |
| 1325 | 226.5 | 100 | 7064 | 42.46 | 100 | 15105 | 19.86 | 100 |

**HOME SCE. (R. Iran):** 21.30-01.30 on 895/3870kHz, 02.30-06.30 on 1325/3870/7064kHz, 08.20-15.30 on 1325/3870/7064kHz (also on 11705/15105kHz to Europe), 16.30-20.30 on 1325/3870/7064kHz (also on 11705kHz to Europe) — **N. in Farsi:** 21.30, 22.30, 23.30, 00.30, 01.30, 02.30, 03.30, 04.30, 05.30, 06.30, 08.20, 09.30, 110.30, 11.00, 12.30, 13.30, 14.30, 15.30, 16.30, 17.30, 19.30, 20.30.
**FOREIGN SCE. in Europe:** 17.30-21.30 on 11705/15105kHz. 17.30 Russian, 18.00 Turkish, 18.30 Arabic, 19.30 French, 20.00 **English,** 20.30-21.30 Special Prgr. for Iranians Abroad.

**REGIONAL STATIONS**

**R. TABRIZ: L.P:** St. Mgr: M. Kafaiy. Dir. Tec: H. Moayyed. On 605/6155kHz (100/7.5kW): 02.25-05.00, 08.00-11.00, 13.25-18.30. **Persian:** 14.30. **Turkish/Azerbajan:** 16.30. **Armenian** 17.00. **V.** by letter, Recordings accepted.
**R. REZAIEH:** On 976/6940kHz (0.5kW): 07.30-09.00, 11.50-17.30, **Kurdish** 13.30-14.00, **Armenian** 14.00-14.30, **Assirian** 14.30-15.00, **Turkish** 15.30-16.00.
**R. ISFAHAN:** On 1425/7888kHz (1/0.4kW): 06.25-09.00, 11.45-17.30.
**R. ZAHEDAN:** On 777kHz (100kW): 07.30-09.30, 12.55-19.00, **Baluchi** 04.00-05.00, **Urdu** 05.00-06.00.
**R. SANANDAJ:** On 1475/6818kHz (1/0.4kW): 02.45-04.30, 11.15-17.30
**R. KERMANSHAH:** On 985kHz (100kW): 06.30-09.00, 11.00-18.30, **Kurdish** 15.45-18.30.
**R. GORGAN:** On 1462/6520kHz (1/0.4kW): 12.15-17.30. **Turkuman** 16.00-17.30.
**R. SHIRAZ:** On 1060/4500kHz (1/0.4kW): 06.25-08.30, 12.25-18.30.
**R. RASHT:** On 680kHz (1kW): 06.15-09.30, 12.45-17.30.
**R. KERMAN:** On 1090kHz (1kW): 06.15-08.30, 12.45-16.30.
**R. MASHAD:** On 1100kHz (1kW): 07.20-08.30, 13.00-17.00.
**R. AHWAZ:** On 1390kHz (100kW): 12.30-20.30. **Arabic** 14.30-20.30.
**ANN:** E: "This is Tehran, R. Iran". F: "Ici Tehran, R. Iran". Turkish: "Burasi Tahran, Iran Radyosu". Russian: "Govorit Tegeran, R. Iran". Farsi: "Inja Tehran ast, R. Iran". Urdu: "R. Iran-Zahedan". Kurdish: "Dani Irana, Bashi Kurdi". Arabic: "Huna al Ahwaz, Der'el Isa'a al Iraniya". Baloochy: "Ada Zahedan, R. Iran". Armenian: "Tavrizne khosoom". Assirian: "Lakha Rezaieh, R. Azerbayjan Ma'arvesta" — **INT-SIG:** Iranian melody played on Tar (Iranian string instrument). Beginning of the "Mahoor" one of the seven sets of Iranian music.



**V.** by QSL-card. Rp. Recordings accepted — **PUB:** "Iran Today" (Quarterly magazine) in E, F, G. "Facts about Iran" (Weekly bulletin) in E, F, Arabic — **F.PL:** New Gov. Iranian National Radio and Television — **AD:** Allowed, income goes straight to the Treasury.

## IRAQ

**L.T:** GMT+3 h — **Pr.L:** Arabic, Kurdish, Turkuman.

**BROADCASTING STATION OF THE REPUBLIC OF IRAQ**
**ADDR:** Directorate Gen. of Broadc. and Television, Salihiya, Baghdad. **Te:** 31151. **Cable:** Broadcasts — **L.P:** Dir. Gen: M. Al-Jadir. Dir. Tec: M. Saleh.
**STATIONS** (G.C: sw-tr's: 44.35E/33.09N).

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 764 | 392.6 | 150/300 | 3960 | 75.76 | 50 | 7180 | 41.78 | 100 |
| 908 | 330.0 | 200 | 6030 | 49.75 | 100 | 9555 | 31.40 | 50 |
| 1350 | 222.2 | 20 | 6095 | 49.22 | 100 | 9635 | 31.14 | 50 |
| 3240 | 92.59 | 50 | 6155 | 48.74 | 50 | 15400 | 19.48 | 50 |

**HOME SCE: Arabic:** 02.30-06.00 on 764/6155/7180kHz, 06.00-08.00 on 764/6155kHz, 08.00-10.00 on 908kHz, 10.00-10.30 on 908/6095/7180kHz, 10.30-12.00 on 908/6095/7180/15400kHz, 12.00-12.30 on 908/6095/7180kHz, 12.30-13.00 on 908/6155/6095/7180kHz. 13.00-17.30 on 764/908/6095/6155/7180/9555kHz, 17.30-22.30 on 764/908/6155/7180/9555kHz. **N.** 03.00, 05.00, 11.00, 15.00, 16.00. 17.00, 19.00, 22.00. **Kurdish, Turkuman:** 02.30-08.00 on 1350/3240/6030kHz, 10.00-17.30 on 1350/3240/6030kHz. **Voice of Baghdad:** 19.30-21.00 on 1350/3960kHz.

**FOREIGN SCE:**
**To Near- and Middle East:** 17.30-19.30.
**Urdu:** 10.00-10.30 on 15400kHz; **Persian** (Farsi): 17.30-18.30 on 1350/3240/6030kHz. **Turkish:** 18.30-19.30 on 1350/3240/6030kHz.
**To Europe:** 19.30-22.00 on 6030/6095kHz.
**English:** 19.30-20.20. **German:** 20.20-21.00. **French:** 21.10-22.00.
**ANN:** "Itha'at Al-Jemhoriya Al-Iraqiya Fi Baghdad" (The Broad-casting Service of the Iraqi Republic in Baghdad) — English: "This is R. Baghdad". French: "Ici R. Baghdad". German: "Hier ist R. Baghdad" — **INT-SIG:** Soft chirps of a mechanical nightingale — **V.** by QSL-card. Re. to Chief Eng. Recordings accepted.

## ISRAEL

**L.T:** GMT+2 h —**Pr.L:** Hebrew, Arabic.

**ISRAEL BROADCASTING AUTHORITY (Gov.)**
**ADDR:** Kol Yisrael, Israel Broadc. Sce, Broadc. House, Jerusalem. **Cable:** Kolyisrael. **Te:** 28161 — **L.P:** Dir. Gen: H. Givton. Dep. Dir. Gen: I. Hofman. Asst. Dir. Gen. (Planning): Dr. Y. Spiro. Dir. Prgr: Mrs. L. Porath. Dir. N. & Current Events: A. Gordon. Dir. Overscas Broadc. & Foreign Rel: G. Wigoder. Dir. Arabic Prgr: Y. Hazma. Dir. Operations: N. Rogel. Public Rel: I. Roger. Dir. Tec: E. Boksenbaum.

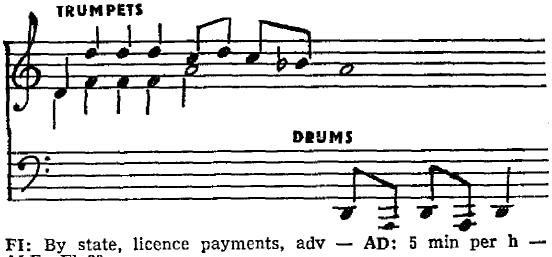
**STATIONS: Medium Waves:**

| kHz | m | kW | Prgr. | kHz | m | kW | Prgr. |
|---|---|---|---|---|---|---|---|
| 575 | 522 | 50/10 | A | 1097 | 273.5 | 1 | A |
| 656 | 457 | 100 | B | 1169 | 256.6 | 1 | B |
| 677 | 443 | 200 | D | 1205 | 249 | 10 | A |
| 710 | 422.5 | 1 | B | 1286 | 233.3 | 7.5 | |
| 737 | 407 | 100/200 | D | 1304 | 230.0 | 1 | |
| 845 | 355 | 1 | A | 1358 | 220 | 0.5 | A |
| 881 | 340.5 | 0.05 | A | 1367 | 219.8 | 5 | |
| 1025 | 292 | 0.5 | D | | | | |

**Short Waves:** (G.C: 34.47E/32.04N):

| kHz | m | kW | Prgr. | kHz | m | kW | Prgr. |
|---|---|---|---|---|---|---|---|
| 2442 | 122.8 | 1 | | 7189 | 41.73 | 20 | D |
| 9009 | 33.50 | 50/7.5 | C | 9625 | 31.17 | 100 | C |
| 9725 | 30.85 | 100 | E | 11910 | 25.19 | 100 | C |

**HOME SERVICE:**
**Main Prgr. in Hebrew (Prgr. A):** 04.00-05.10, 09.30-12.30, 14.45-21.10 on 575/845/881/1169/1205/1358kHz+FM — **N:** 04.00, 05.00, 06.00, 12.00, 15.00, 17.00, 18.30, 21.00.
**Prgr. B in Hebrew, Yiddish, Ladino, French, English, Rumanian, Hungarian, Russian, Moghrabit:** 05.00-09.35, 11.00-22.10 on 656/710/1097kHz+FM — **N:** English 11.00, 18.45. French 11.30, 18.30.
**Arabic (Network D):** 04.15-06.45, 09.30-11.45, 13.30-22.40 on 677/737/1025/7189kHz (also on 9725kHz until 15.30).
**Galei Tsahal** (Forces Broadc. Sce): 09.30-12.10, 15.30-21.30 on 1286/1304/1367/2442kHz.
**ANN:** Home Scc: "Kol Yisrael Mi-Yerushalayim b'Reshet Aleph" (Network A from Jerusalem); "Ha-Gal Ha-Kal shel Kol Yisrael (Light Prgr.) or "Kol Yisrael mi Yerushalayim b'Reshet Beit (Network B); Arabic: "Dar il 'Eza'a il' Israeliya min il-Kuds wa' Ramallah (The Israel Broadc. House, from Jerusalem and Ramallah); Forces Broadc. Sce: "Galei Tsahal, Shidurei Tsva Hagana Le-Yisrael".
**INT-SIG:** Traditional Bible cantillation played on oboe strings.
**FOREIGN SCE. on 9009/9625kHz (prgr. C)**
9009kHz (omnidirectional)/9625kHz: 15.30-20.00 to Europe, 20.15-20.30 to Africa, 20.45-22.00 to Europe; also on 9725kHz 15.30-20.00 (to Europe) — Russian 15.30-16.00, Yiddish 16.00-16.30, Persian 16.30-17.00, Russian 17.00-17.30, Hungarian 17.30-17.45, Rumanian 17.45-18.00, Ladino 18.00-18.15*, Moghrabit 18.15-18.30, Yiddish 18.30-19.00, Hebrow 19.00-19.30, Russian 19.30-20.00, **French** 20.45-21.15, **English:** 20.15-20.30 (to So. Africa), 21.15-21.30 (to Europe), Russian 21.30-22.00. **N:** at the beginning of each prgr. and 16.20, 18.50 (Yiddish) — *=Rel. Prgr. "B".
**ANN:** E: "This is Israel calling, you are tuned to Kol Israel"; F: "Ici Kol Yisrael, R. dif. Israliienne"; Hungarian: "Kol Yisrael, itt az Israeli Rádio"; Persian: "Inja Yerushalim, sedail Israel"; Rumanian: "Kol Yisrael, emisiunea in limba romina"; Yiddish: "Do iz Kol Yisrael, oiditsiye Kol Tsion".V by QSL-card. **INT-SIG:** Hatiqva (Nat. Hymn).




**FI:** By state, licence payments, adv — **AD:** 5 min per h — **ALF:** Fl 20,-

## JAPAN

**L.T:** GMT+9 h — **Pr.L:** Japanese.

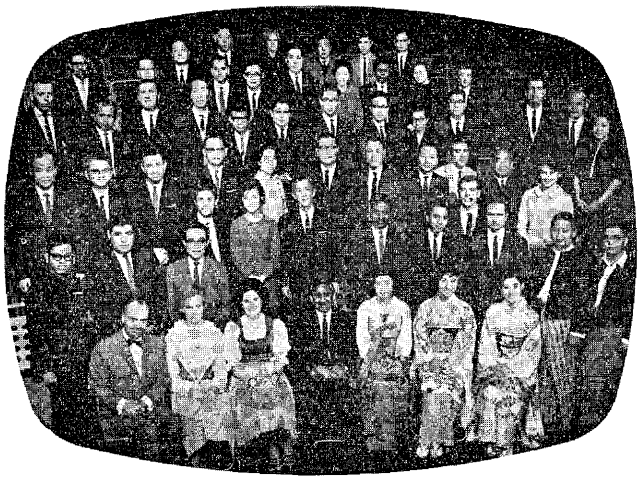
**NIPPON HOSO KYOKAI (NHK)**
**(Public Corporation, non-Gov, non-comm.)**
**(The Japan Broadcasting Corporation).**
**ADDR:** No. 2, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo. **Cable:** RADIONHK. **Te:** (501) 4111. **Telex:** TK 2377, 4338.
**L.P:** Chmn. (Board of Governers): S. Matsusaka. Pres: Y. Maeda. Vice Pres: K. Ono. Dir. Gen. of Engineering: F. Mikuma. Gen. Man. Dir's: F. Mikuma, M. Akagi, T. Nomura, S. Takenaka. Man. Dir's: K. Kawakami, M. Nagahama, T. Nagasawa, H. Sano, H. Sho. Auditor's: S. Monden, I. Nakayama, T. Suzuki. Dir's. Secr: H. Okada Auditor's Office T. Matsunaga. Policy Planning Bureau: K. Kawakami. Man. Inf. Sce. Bureau: H. Matsuura. Public Rel. Board: T. Iida. Legal Affairs Board: I. Nihira. Audit Board: H. Taniguchi. Prgr. Inspection Board: S. Okamoto. Gen. Broadc. Adm: M. Akagi. Educ. Dept: M. Yamazaki, News Dept: T. Hashimoto. N. Commentators Room: M. Hirano. Entertainm. Dept: U. Nakayama. Tech. Operations Dept. Y. Sawamura. Prgr. Service Dept: M. Kobayashi. Gen. Affairs Dept. Broadc. Center: K. Takumi. Overseas Broadc. Dept: M. Tateno. Gen. Adm. of Audience Services Dept: H. Sano Tokyo Audience Services Dept: M. Nagaoka. Headquarters of Technical Adm. and Construction: T. Nomura. Staff Adm. Dept: M. Kawahara. C. Training Inst: N. Shimazaki. Finance Dept: K. Uchiyama. Gen. Affairs Dept: K. Hori. Radio & TV Cult. Research Inst: S. Takashima. Public Opinion Research Inst: H. Kanazawa. Tech. Research Lab: M. Komai. Broadc. Science Research Lab: Y. Makita.

**STATIONS: Medium Waves:** The medium wave (535-1605kHz) tr's are used for domestic radio sce. in the 1st and 2nd net, both extensive enough to place the entire country under coverage. Number of stations (as of Oct. 1st, 1967): 1st Network: 170 — 2nd Network: 133 — 1 = 1st net. — 2 = 2nd net.

| Call | kHz | kW |
|---|---|---|
| **°Sapporo** | | |
| 1JK | 570 | 100 |
| 2IB | 750 | 100 |
| **Hakodate** | | |
| 1VK | 680 | 5 |
| 2VB | 1470 | 1 |
| **Asahikawa** | | |
| 1QG | 620 | 3 |
| 2CC | 1470 | 1 |
| **Wakkanai** | | |
| 1IQ | 980 | 1 |
| 2IY | 1470 | 0.5 |
| **Nayoro** | | |
| 1CY | 600 | 1 |
| 2AZ | 1320 | 1 |
| **Enbetsu** | | |
| 1 — | 790 | 1 |
| 2 — | 1600 | 1 |
| **Obihiro** | | |
| 1OG | 660 | 5 |
| 2OC | 1080 | 1 |
| **Kushiro** | | |
| 1PG | 640 | 10 |
| 2PC | 1070 | 10 |
| **Kitami** | | |
| 1KP | 1150 | 10 |
| 2KD | 1370 | 10 |
| **Muroran** | | |
| 1IU | 780 | 3 |
| 2IT | 1080 | 1 |
| **°Sendai** | | |
| 1HK | 890 | 10 |
| 2HB | 1090 | 10 |
| **Akita** | | |
| 1UK | 700 | 10 |
| 2UB | 1590 | 10 |
| **Yamagata** | | |
| 1JG | 540 | 5 |
| 2JC | 1470 | 1 |
| **Tsuruoka** | | |
| 1JP | 1440 | 1 |
| 2JD | 1600 | 1 |
| **Morioka** | | |
| 1QG | 850 | 10 |
| 2QC | 1220 | 10 |
| **Koriyama** | | |
| 1CP | 620 | 1 |
| 2CD | 1510 | 1 |
| **Aomori** | | |
| 1TG | 960 | 5 |
| 2TC | 1320 | 1 |
| **Hachinohe** | | |
| 1TQ | 1300 | 1 |
| 2TZ | 1510 | 1 |
| ***Tokyo** | | |
| 1AK | 590 | 100 |
| 2AB | 690 | 300 |
| **Kofu** | | |
| 1KG | 980 | 5 |
| 2KC | 1470 | 1 |
| **Nagano** | | |
| 1NK | 620 | 1 |
| 2NB | 1320 | 1 |
| **Matsumoto** | | |
| 1SG | 540 | 1 |
| 2SC | 1510 | 1 |
| **Ilda** | | |
| 1SQ | 620 | 1 |
| 2SZ | 1320 | 0.5 |
| **Niigata** | | |
| 1QK | 840 | 10 |
| 2QB | 1190 | 10 |
| **Takada** | | |
| 1QX | 790 | 1 |
| 2QV | 1360 | 0.1 |
| **°Nagoya** | | |
| 1CK | 730 | 10 |
| 2CB | 910 | 10 |
| **Takayama** | | |
| 1CQ | 790 | 1 |
| 2CZ | 1320 | 1 |
| **Shizuoka** | | |
| 1PK | 880 | 10 |
| 2PB | 760 | 10 |
| **Hamamatsu** | | |
| 1DG | 650 | 1 |
| 2DC | 1520 | 1 |
| **Kanazawa** | | |
| 1JK | 1170 | 10 |
| 2JB | 1390 | 10 |
| **Nanao** | | |
| 1JU | 540 | 1 |
| 2JV | 1470 | 0.1 |
| **Fukui** | | |
| 1FG | 980 | 5 |
| 2FC | 1520 | 1 |
| **Toyama** | | |
| 1IG | 650 | 5 |
| 2IC | 1520 | 1 |
| **°Osaka** | | |
| 1BK | 670 | 100 |
| 2BB | 830 | 100 |
| **Hikone** | | |
| 1BS | 780 | 1 |
| **Kyoto** | | |
| 1OK | 1300 | 1 |
| 2OB | 1510 | 1 |
| **°Hiroshima** | | |
| 1FK | 770 | 10 |
| 2FB | 1070 | 10 |
| **Fukuyama** | | |
| 1DP | 1000 | 1 |
| 2DD | 1470 | 1 |
| **Okayama** | | |
| 1KK | 600 | 5 |
| 2KB | 1600 | 5 |
| **Matsue** | | |
| 1TK | 1490 | 10 |
| 2TB | 1090 | 10 |
| **Tottori** | | |
| 1LG | 1300 | 1 |
| 2LC | 1470 | 1 |
| **Yonago** | | |
| 1LQ | 780 | 1 |
| 2LU | 1520 | 1 |
| **Yamaguchi** | | |
| 1UG | 680 | 5 |
| 2UC | 820 | 5 |
| **Hagi** | | |
| 1UQ | 960 | 1 |
| 2UZ | 1600 | 0.5 |
| **°Matsuyama** | | |
| 1ZK | 960 | 5 |
| 2ZB | 1510 | 5 |
| **Uwajima** | | |
| 1ZU | 1440 | 1 |
| 2ZY | 1600 | 1 |
| **Kochi** | | |
| 1RK | 990 | 10 |
| 2RB | 1370 | 10 |
| **Nakamura** | | |
| 1RQ | 1000 | 1 |
| 2RY | 1520 | 0.5 |
| **Tokushima** | | |
| 1XK | 780 | 5 |
| 2XB | 1520 | 1 |
| **Takamatsu** | | |
| 1HP | 1300 | 5 |
| 2HD | 1080 | 1 |
| **°Kumamoto** | | |
| 1GK | 930 | 10 |
| 2GB | 1590 | 10 |
| **Hitoyoshi** | | |
| 1GQ | 1240 | 1 |
| 2GV | 1600 | 1 |
| **Fukuoka** | | |
| 1LK | 610 | 100 |
| 2LB | 870 | 100 |
| **Kitakyushu** | | |
| 1SK | 540 | 1 |
| 2SB | 1600 | 1 |
| **Nagasaki** | | |
| 1AG | 660 | 5 |
| 2AC | 1080 | 1 |
| **Kagoshima** | | |
| 1HG | 580 | 10 |
| 2HC | 1220 | 10 |
| **Naze** | | |
| 1HI | 980 | 1 |
| 2HV | 1600 | 1 |
| **Miyazaki** | | |
| 1MG | 540 | 1 |
| 2MC | 1470 | 1 |
| **Nobeoka** | | |
| 1MT | 620 | 1 |
| 2MX | 1320 | 1 |
| **Oita** | | |
| 1IP | 790 | 1 |
| 2ID | 1470 | 1 |
| **Saga** | | |
| 1SP | 960 | 1 |
| 2SD | 1320 | 1 |

+182 st's less 1kW not mentioned.
*=Headquarters °=Reg. Key St.

**HOME SERVICE**
**1st Netw:** D 20.00-15.00 — **N:** W: Every h and 00.30, 01.30, 02.30, 04.30, 05.30, 06.30, 07.30, 08.35, 14.55. Sun: Every h exc. 01.00, 05.00, 11.00; also 14.55 — **Wrp:** 20.29, 20.57, 21.13, 21.58, 22.15, 22.58, 23.58, 00.58, 01.58, 02.55, 03.13, 03.58, 04.58, 05.58, 06.08, 06.58, 07.58, 08.58, 09.50, 10.15, 11.58, 12.13, 12.58, 13.08, 13.58, 14.58 — **Mbg:** W 21.50 — **T.S:** every h.
**2nd Netw:** D 20.30-15.00 — **English N:** W 09.55 — **L.L: Fundamental Course of English:** W 21.05-21.25, 06.25-06.45. **English Conversation:** W 21.25-21.40, 06.10-07.25, 09.40-09.55. **German:** 22.00-22.20. **French:** 14.00-14.20 — **Wrp:** 00.15, 07.00, 13.00 —



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**NHK** Japan Broadcasting Corporation
Sponsored by 98 Million Japanese

**School Broadc:** W 00.00-03.00, 04.00-04.15 (not Sat).

**FM STATIONS:**

| | MHz | kW | | MHz | kW | | MHz | kW |
|---|---|---|---|---|---|---|---|---|
| Sapporo | 85.2 | 3 | Aomori | 86.0 | 1 | Matsue | 84.5 | 0.5 |
| Hakodate | 87.0 | 0.25 | Hachinone | 81.8 | 0.1 | Hamada | 85.5 | 1 |
| Esashi | 89.7 | 0.1 | Tokyo | 82.5 | 10 | Tottori | 85.8 | 0.25 |
| Kitahiyama | 86.0 | 0.1 | Katsuura | 83.7 | 0.1 | Yamaguchi | 85.3 | 0.25 |
| Asahikawa | 85.3 | 0.5 | Kofu | 85.6 | 1 | Hagi | 82.4 | 0.1 |
| Shirekoma | 89.1 | 1 | Nagano | 84.0 | 0.5 | Yanai | 84.0 | 0.1 |
| Nayoro | 88.2 | 1 | Iida | 81.3 | 0.1 | Matsuyama | 87.7 | 1 |
| Rumoi | 84.8 | 0.1 | Nigata | 82.3 | 1 | Uwazima | 84.8 | 0.1 |
| Furano | 84.2 | 0.1 | Nagoya | 82.5 | 3 | Nihama | 87.0 | 0.1 |
| Obihiro | 87.5 | 0.25 | Owase | 84.5 | 0.1 | Yawata-hama | 86.5 | 0.1 |
| Kushiro | 88.5 | 0.25 | Nakatsu-gawa | 85.8 | 0.1 | Kochi | 87.5 | 0.5 |
| Nakashi-betsu | 89.9 | 1 | Gujohavhi-man | 85.6 | 0.1 | Nakamura | 84.4 | 0.1 |
| Kitami | 86.0 | 0.25 | Shizuoka | 88.8 | 0.5 | Tokushima | 83.4 | 0.25 |
| Shinkitami | 84.5 | 0.1 | Hamamatsu | 82.1 | 0.25 | Takamatsu | 86.0 | 1 |
| Monbetsu | 85.1 | 0.1 | Kanazawa | 82.2 | 1 | Kumamoto | 85.4 | 1 |
| Muroran | 88.0 | 0.25 | Nanao | 84.4 | 0.1 | Minamata | 82.5 | 0.1 |
| Urakawa | 86.1 | 0.1 | Fukuoka | 84.8 | 1 | Fukuoka | 84.8 | 1 |
| Sendai | 82.5 | 3 | Wajima | 83.9 | 0.1 | Izuhara | 82.6 | 0.1 |
| Akita | 86.7 | 1 | Fukui | 83.4 | 1 | Kitakyushu | 85.7 | 0.25 |
| Odate | 88.3 | 0.1 | Obama | 87.8 | 0.1 | Nagasaki | 84.5 | 0.25 |
| Hanawa | 83.8 | 0.1 | Toyama | 81.5 | 1 | Fukue | 83.5 | 0.1 |
| Yuzawa | 84.9 | 0.1 | Osaka | 88.1 | 10 | Sasebo | 86.0 | 0.25 |
| Yamagata | 82.1 | 1 | Singu | 83.8 | 0.1 | Kagoshima | 85.6 | 1 |
| Nagai | 84.6 | 0.1 | Tanabe | 81.8 | 0.1 | Akune | 83.7 | 0.1 |
| Tsuruoka | 86.0 | 0.25 | Kainan | 84.7 | 0.1 | Kanoya | 84.1 | 0.1 |
| Morioka | 83.1 | 1 | Himeji | 84.2 | 1 | Makurazaki | 84.7 | 0.1 |
| Kamaishi | 85.1 | 0.1 | Maizuru | 84.2 | 0.1 | Tanegas-hima | 84.4 | 1 |
| Miyako | 83.5 | 0.1 | Hiroshima | 88.3 | 1 | | | |
| Kitafukuoka | 84.9 | 0.1 | Miyoshi | 84.5 | 0.1 | Miyazaki | 86.2 | 0.25 |
| Fukushima | 85.3 | 1 | Fukuyama | 84.8 | 0.25 | Nobeoka | 87.0 | 0.1 |
| Wakamatsu | 85.9 | 0.25 | Okayama | 88.7 | 1 | Oita | 88.9 | 1 |
| Iwaki | 86.1 | 0.1 | Tsuyama | 85.5 | 0.1 | Saga | 81.6 | 0.25 |

33 stations below 0.1kW not mentioned.

D 21.00-15.00 (Monophonic & Stereophonic broadc. in Pilotone system).

**RELAYS OF HOME SCE. PRGR'S ON SHORTWAVES**

(G.C: JKH 139.50E/36.10N — JKI 139.57E/35.46N)

**1st Prgr:** JKH 7230kHz 41.49m 5kW: 20.00-22.15, 08.00-10.00; JKH2 9655kHz 31.07m 5kW: 22.25-07.45 — **2nd Prgr:** JKI 7285kHz 41.18m 5kW: 20.30-10.00.

**FOREIGN SERVICE**

I=No. American Sce; II=No. & Latin American and Hawaiian Sce; III=European Sce; IV=Latin American Sce; V=Australia/N.Z. Sce; VI=So. Ea. Asian Sce; VII=Asian Continent Sce; VIII=Korean Sce; IX=So. Asian & African Sce; X=M. East & No. African Sce.

**Languages:** a) English — b) Spanish, Japanese, English — c) German, French, English, Italian, Swedish — d) Russian, German, English, Swedish — e) Japanese, Portuguese, Spanish — f) Standard Chinese, Fukienese, Cantonese — g) English, Vietnamese, Indonesian, Malay — h) English, French, Vietnamese, Burmese, Tahai, Indonesian, Standard Chinese, Fukienese, Cantonese — i) Russian, Standard Chinese — j) Standard Chinese — k) Korean — l) Hindi, Urdu, Swahili, French, English, Bengali — m) English, French, Arabic.

**STATIONS:** 20/50/100/200kW — G.C: 139.37E/35.46N & 139.50E/36.10N.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 6080 | 49.34 | 9605 | 31.23 | 11780 | 25.47 | 15195 | 19.74 |
| 6140 | 48.86 | 9670 | 31.02 | 11815 | 25.39 | 15235 | 19.69 |
| 7195 | 41.70 | 9675 | 31.01 | 11875 | 25.26 | 15300 | 19.61 |
| 9505 | 31.56 | 9700 | 30.93 | 11940 | 25.13 | 17725 | 16.93 |
| 9525 | 31.50 | 9705 | 30.91 | 11965 | 25.07 | 17785 | 16.87 |
| 9530 | 31.48 | 9765 | 30.72 | 15105 | 19.86 | 17825 | 16.83 |
| 9560 | 31.38 | 11705 | 25.63 | 15135 | 19.82 | | |

**GENERAL SERVICE in English and Japanese**

All freq's 100kW exc. 15300kHz using 200kW at 06.00-06.30, 07.00-07.30, 08.00-08.30 and 09.00-09.30.

| Times | kHz | Times | kHz |
|---|---|---|---|
| 00.00-00.30 | 17785, 15195, 9700 | 12.00-12.30 | 11815, 9560, 9505 |
| 01.00-01.30 | 15300, 15195, 15105 | 13.00-13.30 | |
| 02.00-02.30 | | 14.00-15.30 | |
| 03.00-03.30 | | 16.00-16.30 | 9605, 9560, 9505 |
| 04.00-04.30 | | 17.00-17.30 | |
| 05.00-05.30 | | 18.00-18.30 | |
| 06.00-06.30 | 15300, 15195, 9505 | 19.00-19.30 | 15105, 9605, 9560 |
| 07.00-07.30 | | 20.00-20.30 | |
| 08.00-08.30 | | 21.00-21.30 | |
| 09.00-09.30 | 15300, 11815, 9505 | 22.00-22.30 | 17785, 15195, 9700 |
| 10.00-11.30 | | 23.00-24.00 | |

**N. in English:** Every h on the h.

# Japan

**REGIONAL SERVICES:**

| Times | Sce. | kHz | L | N. in English |
|---|---|---|---|---|
| 23.45-00.45 | I | 17825, 15135 | a | 23.45-23.55<br>00.35-00.45 |
| 01.00-03.00 | II | 17825, 17725<br>15235, 15135 | b | 02.00-02.10<br>02.50-03.00 |
| 07.00-08.30 | III | 17825, 15135 | c | 08.00-08.10 |
| 19.30-21.00 | III | 11965, 9700 | d | 20.30-20.40 |
| 09.00-11.00 | IV | 11780, 9765, 9530 | e | |
| 09.00-10.00 | V | 15235, 11875 | a | 09.00-09.10<br>09.50-10.00 |
| 10.00-11.00 | VI | 9705, 7195, 6080 | f | |
| 10.15-12.15 | VI | 11875, 9675 | g | 10.15-10.25 |
| 11.30-15.30 | VI | 11940, 11780, 9525 | h | 11.30-11.40 |
| 12.30-13.30 | VII | 11705, 9675, 7140 | i | |
| 23.00-23.30 | VII | | j | |
| 11.30-12.15 | VIII | 7195, 6140, 6080 | k | |
| 22.00-22.45 | VIII | | | |
| 14.30-17.00 | IX | 11705, 9670 | l | 16.30-16.40 |
| 17.30-19.00 | X | 9670, 7195 | m | 17.30-17.40 |

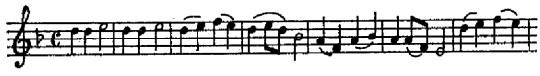
**NEWS** (in other languages): **French:** 07.30 (III), 12.00 (VI), 16.00 (IX), 18.00 (X) — **German:** 07.00 (III), 20.00 (III) — **Portuguese:** 10.00 (IV) — **Russian:** 19.30 (III), 12.30 (VII) — **Spanish:** 01.00 (II), 10.30 (IV) — **Italian Hour:** Mon 07.40-08.00 (III) — **Scandinavian Hour:** Sun, Wed 08.15-08.30, 20.45-21.00 (III).

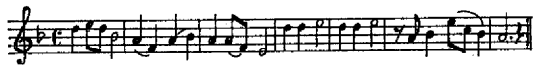
**DX-PRGR: ("DX-News"):** 1) Every Sun 10.25-10.44 (VI), 11.40-11.59 (VI), 16.39-16.58 (IX), 17.40-17.59 (X); 2) In "Listeners Corner" (weekly) including "DX-News" on every Sat and Sun: Sat 09.40-09.49 (V), Sun 00.25-00.34 (I), 02.40-02.49 (II).

**ANN: Home Service:** The call sign and the station name are announced at the commencement and end of each transmission. At intervals between programmes an announcement, **"NHK"** is made at the end of the news prgr's of both 1st network and of FM network. It also comes before the call sign of 2nd network.

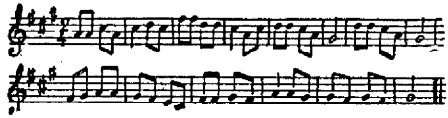
**Foreign Service: English:** "This is Radio Japan, the overseas broadcasting service of NHK. We are broadcasting to..("target area")" — **French:** "Ici Radio Japon..(target area)" — **German:** "Hier ist Tokyo, der japanische Rundfunk..(target area)" — **Italian:** "Buon giorno, sign. radioascoltatori Italiani. Qui Radio Giappone — Reparto Servizio Internazionale di NHK.." — **Spanish:** "Aqui Radio Japon.." — **Portuguese:** "Estao ouvindo a Radio Japao.." — **Indonesian:** "Inilah Radio Djepang, siaran international dari NHK di Tokio..".

**INT-SIG: Home Service:** Both on the 1st and the 2nd network, a musical sign is beamed on a celeste before commencing broadcasting. No interval signal is used since both the 1st and the 2nd networks are continuously on the air — **Foreign Service:** Opening music of Reg. Sce's "Sakura"





Interval signal music "Kazoe Uta"



**PUB:** In Japanese only: Graph NHK (twice a month), Hoso Bunka or Broadcast Culture (monthly), NHK Year Book (annual). In English and others: NHK Handbook (annual in E), NHK Today and Tomorrow (monthly in E, F, Sp), Radio Japan News (monthly in E, J, Sp and others), This is NHK (annual in E), NHK Technical Monograph (irr. in E), NHK Laboratories Note (annual in E), The prgr. schedules for Overseas Service (R. Japan), Studies of Broadcasting (annual in E). **V.** by QSL-card and by letter — **FI:** In accordance with the Broadcast Law. NHK's operations are financed by the revenue from subscription fee — **ALF:** 600 Yen.

## PRIVATELY OWNED COMMERCIAL STATIONS

### THE NATIONAL ASSOCIATION OF COMMERCIAL BROADCASTERS IN JAPAN

**ADDR:** Bungei Shunju Bldg. 3, Kioi-cho, Chiyoda-ku, Tokyo. **Te:** 265-7481. **Cable:** Mimporen. **L.P: Pres:** T. Adachi. Exec. Dir: S. Sakai. Secr. Gen: Y. Isomura.

**Medium Waves: Call: JO--.**

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 1) CR | 560 | 10 | 19) WO | 1100 | 1 | **35) SF** | 1330 | 10 |
| 2) DF | 720 | 1 | 20) GF | 1100 | 1 | **36) ER** | 1350 | 10 |
| 3) IL | 720 | 1 | 6) SR | 1110 | 1 | **37) UF** | 1380 | 20 |
| 4) JF | 740 | 5 | 21) BW | 1110 | 1 | **38) VR** | 1400 | 5 |
| 5) LR | 740 | 5 | 22) MR | 1110 | 5 | **7) QL** | 1400 | 1 |
| 6) SO | 860 | 1 | 24) AF | 1120 | 5 | **3) IF** | 1410 | 10 |
| 7) QF | 860 | 3 | 25) DR | 1120 | 5 | **39) YR** | 1420 | 5 |
| 8) PR | 860 | 5 | 26) QR | 1130 | 50 | **7) TL** | 1420 | 1 |
| 7) QF | 860 | 3 | 21) BR | 1140 | 10 | **30) GO** | 1430 | 1 |
| 9) HF | 900 | 5 | 22) MO | 1200 | 1 | **40) VF** | 1430 | 3 |
| 10) ZR | 900 | 5 | 6) SW | 1200 | 1 | **41) ZF** | 1430 | 1 |
| 7) HO | 900 | 5 | 27) BF | 1200 | 5 | **7) QM** | 1450 | 5 |
| 11) EF | 920 | 5 | 28) YF | 1200 | 1 | **42) KF** | 1450 | 5 |
| 12) | 920 | 1 | 29) OR | 1210 | 20 | **14) PL** | 1460 | 1 |
| 13) TR | 940 | 5 | 18) UR | 1230 | 5 | **18) UO** | 1460 | 1 |
| 14) PE | 940 | 5 | 30) GR | 1230 | 5 | **43) WF** | 1460 | 5 |
| 15) KR | 950 | 50 | 31) IR | 1260 | 10 | **44) RF** | 1480 | 10 |
| 16) UF | 1010 | 20 | 32) FR | 1270 | 10 | **11) EL** | 1530 | 1 |
| 17) AR | 1050 | 10 | 7) HW | 1280 | 5 | **32) FO** | 1530 | 1 |
| 23) CF | 1100 | 5 | 33) JR | 1280 | 5 | **25) DO** | 1530 | 1 |
| 18) MF | 1100 | 1 | 7) HR | 1290 | 10 | **45) XF** | 1530 | 1 |
| 12) NF | 1100 | 1 | 34) LF | 1310 | 50 | | | |

+71 low power st's less 1kW not mentioned.

1) **R. Kansai Ltd,** 1-1, Miyuki-cho, Sumaku, Kobe. **Te:** 71-4321. **Chmn: H. Miayzaki. Pres:** K. Tanaka. **Dir. Gen:** S. Sekiguchi. 20.30-15.00. **V** by QSL-card.

2) **Iwate Broadc. Co,** 1-6, Shikecho, Morioka. Pres: T. Ota. Dir. Gen: M. Yoshida. 20.30-15.00. **V** by QSL-card.

3) **Kyushu Asahi Broadc. Co,** Nagahama-cho, Fukuoka. Chmn: I. Dan. 20.30-15.40. **V by QSL-card.**

4) **Yamanashi Broadc. System Inc,** 2-chome, Kitaguchi, Kofu. Pres: J. Noguchi. 20.30-14.45.

5) **Kita Nihon Broadc. Co,** 18-10 Ushijima, Toyama. Pres: R. Yokoyama. 21.50-14.10.

6) **Shinetsu Broadc. Co,** 132-1, Yoshida, Nagano. Pres: T. Ishihara. 20.00-15.05.

7) **Hokkaido Broadc. Co,** North 1, West 5, Sapporo, Hokkaido. **Te:** 01.22-23-8181. Pres: S. Abe. Dir. Gen: K. Muroya. Dir. Tec: K. Kamo. **D.Prgr: N:** 20.55, 22.55, 23.55, 00.55, 01.55, 02.45, 03.40, 04.55, 05.55, 07.55, 08.55, 09.30, 13.50. **V** by QSL-card. Prgr. schedule free.

8) **Fukui Broadc. Co,** 501 Ote-machi, Fukui. Pres: S. Kato. Dir. Gen: Y. Yoshida.

9) **San In Broadc. System,** 423, Nishifukuhara, Yonago. Chmn: H. Sakaguchi. Pres: O. Oda. 20.35-15.05.

10) **R. Kochi Broadc. Co,** Kochi. **Chmn:** G. Fukuda. **Pres:** M. Katada.

11) **Yamagata Broadc. Co,** Yamagata. **Pres:** T. Hattori. 20.00-14.45. **V** by QSL-card.

12) **Miyazaki Broadc. Co,** Miyazaki. Chmn: S. Iwakiri. Pres: Y. Kuroki. 20.30-15.05. **V** by QSL-card.

13) **Akita Broadc. System,** Akita. Chmn: S. Hitomi. Pres: G. Kurata. 20.00-14.40.

14) **Yamaguchi Broadc. Co,** Tokuyama. **Pres:** K. Nomura. 20.30-15.00. **V** by QSL-card.

15) **Tokyo Broadc. System,** Main Office: Akasaka, Minato-ku, Tokyo. **Te:** 584-3111. **Cable:** JOKR. Chmn: **T.** Adachi. Pres: J. Imamichi. Dir. Gen: T. Morimoto. Dir. Tec: M. Yoshida. Dir. Prgr: S. Sakamoto (radio) M. Maehara (TV). 20.00-16.30 (Sun 17.00). **N:** 5 min every h. **Ann:** "JOKR Kochirawa Tokyo Hoso desu". E: "JOKR This is TBS". **V.** by letter. Recordings accepted.

16) **Asahi Broadc. Corp,** Main Office and R. st: 2-2, Oyodocho, Oyodoku, Osaka. Tokyo Office: Yurakucho, Tokyo. **Te:** (06) 458-5321. **Cable:** JONRTV. **L.P: Pres:** K. Suzuki. Vice Pres: T. Hirai. Dir. Gen: K. Hara, D. Ato. Man. Dir: T. Sudo. Dir. Tec: E. Habu. Dir. Tokyo Office: K. Tamura. **D.Prgr:** 20.30-17.00. **N:** 21.00, 22.00, 23.00, 24.00, 02.00, 03.00, 04.00 (W), 05.00 (W), 06.00, 07.00 (W), 08.00 (W), 09.00 (W), 09.50 (Sun), 13.00, 14.00. **Ann:** "ABC Asahi Hoso. JONR". **V.** by QSL-card. Re. in E. Recorded re. preferred. **F.P1:** 100kW.

17) **Chubu-Nippon Broadc. Co,** 4-15 Shinsakae-machi, Naka-ku, Nagoya. **Te:** 241-8111. Pres: K. Sasabe. **D.Prgr:** 20.30-16.00. **N:** every h 21.00-09.00 and 09.15, 12.45, 14.50. **V.** by QSL-card. Prgr. schedule free.

18) **Nagasaki Broadc. Co,** Nagasaki. Pres: R. Nakabe.

19) **R. Fukushima Broadc. Co,** Fukushima. Pres: T. Tobishima. 20.00-15.30.

20) **Oita Broadc. Sce,** Oita Pres: Y. Hoshino. 20.30-15.00 **V.** by QSL-card.

21) **Kinki Broadc. System Co,** Nakakyo-Ku, Kyoto. Chmn: T. Nakano. Pres: U. Shiraishi. 20.30-16.00. **N.** every h on the h from 21.00. **V.** by QSL-card. Prgr. schedule on request.

22) **Hokuriku Broadc. Co,** Kanasawa. Chmn: Y. Miyashita. Pres: Y. Saga. 20.30-15.00.

23) **Minaminihon Broadc. Co,** 17, Korai-cho, Kagoshima. Chmn: K. Ueno. Pres: S. Hatanaka. 23.50-13.55. **V,** by QSL-card.

24) **Nankai Broadc. Co,** Matsuyama. Pres: Y. Hirata.

25) **Broadc. System of Niigata,** Kawagishicho, Niigata. Pres: E. Horiuchi.
26) **Nippon Cultural Broadc. Inc,** Shinjuku, Tokyo. Pres: S. Mizuno. Mgr: S. Tomoda. 20.00-16.55. **Ann:** "Okiki no hoso wa Bunka Hoso 1130kc desu". **V.** by QSL-card.
27) **Kumamoto Broadc. Corp,** 30, Yamasaki-machi, Kumamoto. Pres: R. Fukami. 23.50-04.40 & 08.30-16.30.
28) **Ibaraki Broadc. System,** 2-14, Kitami-cho, Mito. Pres: S. Shirasawa.
29) **Mainichi Broadc. System Inc,** Head Office: 53, Funadaikucho, Dojima, Kita-ku, Osaka. Tokyo Office: Yuraku-cho, Chiyodaku, Tokyo. **Te:** Head Office: 361-8231. **Cable:** Mainichihoso, Osaka. Chmn: C. Honda. Pres: S. Takahashi. 20.30-16.00. **N:** every h on the h 21.00-07.00, 09.00, 14.00. **Ann:** MBS, Mainichi Hoso desu". **V.** by QSL-card. Prgr. schedule on request.
30) **Aomori Broadc. Corp,** 72 Fukuda, Matsumori, Aomori City. Chmn: S. Takeuchi. Pres: I. Sakamoto. Dir. Tec: H. Tomura. **D.Prgr: N:** 21.00, 22.00, 24.00, 01.00, 03.00, 04.00, 05.00, 06.00, 08.00, 09.30, 13.00. **V.** by QSL-card.
31) **Tohoku Broadc. Co,** Sendai. Pres: C. Kanno. 20.30-15.15.
32) **RKB Mainichi Broadc. Co,** Watanabe-dori 4, Fukuoka. Pres: H. Kaneko. Gen. Mgr: K. Kimoto. Dir. Tec: S. Karikita. 20.30-16.00.
33) **Shikoku Broadc. Corp,** Tokushima. Chmn: S. Maekawa. Pres: T. Yamauchi. 20.30-16.10.
34) **Nippon System Inc,** Yuraku-cho, Chiyoda-ku, Tokyo. Chmn: K. Uemura. Pres: N. Shikanai. 24 h. **N, Wrp:** 00.30, 01.30, 03.30, 05.30, 06.30, 07.30, 09.30, 11.30, 12.30, 13.30, 14.30, 15.30, 17.30, 23.30. **Ann:** Okiki no Hoso wa 1310kc Shutsu-ryoku 50kW de ookuri shiteiru Nippon Hoso desu" ("This is Nippon Hoso"). **V.** by QSL-card.
35) **Tokai R. Broadc. Co,** Higashi-ku, Nagoya. Pres: M. Abo. 20.00-18.00. **V.** by QSL-card.
36) **R. Chugoku Co,** Motomachi 34, Hiroshima. **Te:** 21-4191. **L.P:** Chmn: S. Fujita. Pres: T. Tsukifuji. Dir. Tec: T. Watanabe. **D.Prgr: N:** 21.00, 22.00, 22.55, 23.55, 00.55, 01.55, 02.45, 03.55, 06.00, 07.55, 12.45, 13.55. **V.** by QSL-card. Re. in E.
37) **Osaka Broadc. Corpo,** 27 Umeda-cho, Kita-ku, Osaka. **Te:** 361-1271. Pres: H. Maeda. 20.30-17.30. **Ann:** "Okiki no hoso wa Rajio Osaka desu". **Int-Sig:** Gong. **V.** by QSL-card. Recordings accepted.
38) **Shizuoka Broadc. System,** Shizuoka. Rep. Dir: Y. Komuratani, Rep. Dir: M. Oishi. 20.30-14.30.
39) **Sanyo Broadc. Co,** Uchisange 3-28, Okayama. **Te:** 23-2121. Chmn: H. Taniguchi. Pres: M. Tatsumi. 20.30-15.00. **V.** by QSL-card.
40) **Wakayama Broadc. Corp,** Wakayama. Pres: O. Tsubota. 20.30-15.30.
41) **R. Gifu Broadc. Co. Ltd,** 9 Imakomachi, Gifu City. Pres: T. Yamada.
42) **Nishi-Nippon Broadc. Co,** Chmn: T. Hirai. Pres: J. Hirai.
43) **Sapporo TV Broadc. Co,** 1 chome-Nishi, Minami Ichijo, Sapporo. Pres: R. Hagiwara. Vice Pres: T. Takano.
44) **R. Kanto,** Oimatsu-cho, Nishi-ku, Yokohama. Chmn: H. Sasaki. Pres: K. Koshida. 20.00-16.35. **V.** by QSL-card.
45) **R. Tochigi Co,** Tochigi Hall, Utsunomiya. Pres: Y. Fukushima.

46) **Nihon Shortwave Broadc. Co. Ltd.**
*=Sapporo; others Tokyo — **=2nd Prgr.

| Call | kHz | m | kW | Call | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| 46) JOZ | 3925 | 76.43 | 50 | 46) JOZ2 | 6055 | 49.55 | 50/10 |
| 46) JOZ5** | 3945 | 76.05 | 10 | 46) JOZ6** | 7230 | 41.49 | 10d |
| 46) JOZ4 * | 3945 | 76.05 | 10d | 46) JOZ3 | 9595 | 31.27 | 50 |

(G.C: Tokyo 139.42E/35.48N): 9-15 Akasaka, 1-chome, Minatoku, Tokyo. **Te:** 583-8151. **L.P:** Chmn: S. Odajima. Pres: M. Nakajima. Gen. Mgr: S. Ando. Dir. Prgr: Y. Terauchi. Dir. Tec: T. Kawahara. **D.Prgr: 1st Prgr:** 20.30-15.50 on 3925/6055/9595kHz; 20.30-23.00 & 07.20-15.50 on 3945kHz. **N:** 23.30, 08.30, 11.30 (on 3945kHz only). **2nd Prgr:** 23.00-07.20 on 3945/7230kHz. **N:** 03.35. **L.L:** "Lets learn Japanese" (presented in English): Mon-Fri 23.15-23.30 (prgr. 2), 10.45-11.00 (prgr. 1). **Ann:** "Okiki no hoso wa Nihon Tampa Hoso desu". **Int-Sig:** Slow tempo chime with Japanese musical instrument "Koto" at sign on and sign off. **V.** by QSL-card. Recordings accepted.

**FM—TOKAI (Comm.)**
**ADDR:** 17, Nishikubo-Akefune-cho, Minato-ku, Tokyo. **Te:** 502-0431. **STATIONS:** 2tr's on 84.5MHz (both 1kW) — **HOME SCE:** 20.30-16.00. **N:** 23.00, 03.00 (W), 06.00 (W), 08.00 — **ANN:** "Kochirawa FM-Tokai desu, JS2H" — **V.** by letter. **Re.** in in E. Rp.

**FAR EAST NETWORK (AFRTS)**
The network serves the members of the US-Forces serving in the F. East — **Authority:** The st's in Japan broadcasts by authority of the Commander, US Forces, Japan, in co-operation with Japanese Radio Regulatory Byreau. St's are linked by land lind and troppo scatter, and operated 24 h daily. **ADDR:** Headquarters, Far East Network, APO, San Francisco 96267. **Te:** Tokyo 515.3769 — **L.P:** Chief Lt. Col. H. H. Harlan. Dir. Prgr: J. F. Buey. Dir. Tec: H. Yaskal.

**STATIONS:** °=Short Wave. (G.C: 139.37E/35.46N)

| Location | kHz | kW | Location | kHz | kW |
|---|---|---|---|---|---|
| Tokyo | °810 | 10 | Sasebo | 1570 | 0.25 |
| Itazuke | 1550 | 10 | Misawa | 1580 | 0.25 |
| Wakkanai | 1580 | 0.1 | Iwakuni | 1580 | 1 |
| Chitose | 1570 | 0.25 | | | |

**Short Waves:** *=Tokyo.
3910kHz 76.73m 10/1kW: 07.15-22.40 10kW, 22.50-07.05 1kW.
6155kHz 48.74m 10kW: 24h2.
11750kHz 25.53m 10/1kW: 22.50-07.05 10kW, 07.15-22.40 1kW.
15260kHz 19.66m 1kW: 24h4.
*=Power and direction vary to meet point to point commitments for rebroadc. from AFRTS st's in Japan, Korea, Okinawa, Taiwan, **N:** Every h on the h — **ANN:** "This is the Far East Network . . . Far East Network, Tokyo (Chitose, Itazuke etc)" plus freq's on shortwave — **V.** by QSL-card — **PUB:** Master schedule 6 monthly).

## JORDAN

**L.T:** GMT+2 h — **Pr. L:** Arabic, English.

**THE BROADCASTING SERVICE OF THE HASHEMITE KINGDOM OF JORDAN (Gov.)**

**ADDR:** P.O. Box 909, Amman. **Cable:** Broadcasting. **Te:** 37711. **L.P:** Minister of Inf: H. E. S. Abuzeid. Acting Dir. Gen. of Broadc: H. E. A. Bayyat. Asst. Dir. Gen. Eng: A. Bayyat. Asst. Dir. Gen. Adm: Z. Ishakat. Dir. Tec: A. Bayyat. Dir. Prgr: O. Khatib.

**STATIONS:** Amman (exc. 677kHz Jerusalem): G.C: 35.56E/31.57N.

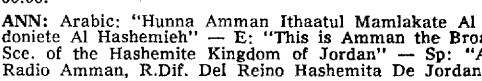
| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 800 | 375.0 | 100 | 9530 | 31.48 | 100 | 11870 | 25.27 | 100 |
| 677 | 443.0 | 20 | 9560 | 31.38 | 100 | 11970 | 25.06 | 100 |
| 6020 | 49.83 | 3 | 9740 | 30.80 | 100 | 15170 | 19.78 | 100 |
| 7155 | 41.92 | 100 | 11810 | 25.40 | 5 | 15345 | 19.55 | 100 |

**HOME SCE** (Amman):
**Arabic:** 03.30-07.30 on 677/800/7155/11810kHz; 07.30-14.00 on 800/9530/11810 kHz; 14.00-23.00 on 800/7155/9530/11810kHz; also on 677kHz at 18.30-23.00. **N:** 05.00, 06.00, 08.00, 12.00, 13.00, 16.00, 17.00, 19.00, 21.00, 22.00.

**FOREIGN SERVICE**
**So. American Sce: Arabic, Spanish:** 23.30-00.30 on 15170 (stand by 11810, 15345kHz) — **N:** Spanish 23.30, Arabic 00.00.

**ANN:** Arabic: "Hunna Amman Ithaatul Mamlakate Al Urdoniete Al Hashemieh" — E: "This is Amman the Broadc. Sce. of the Hashemite Kingdom of Jordan" — Sp: "Aqui Radio Amman, R.Dif. Del Reino Hashemita De Jordania".

**INT-SIG:** Clarinet, Piano.



**V.** by QSL-card or letter. Recordings accepted.

## KOREA (Peoples Democratic Republic)

**L.T:** GMT+9 h — **Pr.L:** Korean.

**KOREAN CENTRAL BROADCASTING STATION**
**ADDR:** Korean Central Broadc. Committee, Pyongyang.
**STATIONS: Medium Waves:**

| kHz | kHz | kHz | kHz | kHz | kHz |
|---|---|---|---|---|---|
| 605 | 635 | 685 | 735 | 800 | 850 |
| 625 | 655 | 725 | 785 | 820 | 1080 |

**Short Waves:** 2 x 120kW, 2 x 240kW tr's.

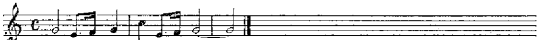
| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 6480 | 46.30 | 6600 | 45.45 | 8290 | 36.19 | 15520 | 19.33 |
| 6540 | 45.87 | 7580 | 38.22 | 11765 | 25.50 | 16320 | 18.38 |

**HOME SCE. in Korean: 1st prgr:** 20.00-15.00 on 725/785/6600/8290kHz. **2nd prgr:** 20.00-23.00 on 1130kHz.
**FOREIGN SERVICE:** I=Near & Middle East/Africa; II—So. Ea. Asia; III=Latin America; IV=Europe; V=Far East; VI=Japan.

# Korea

| Chinese | Area | kHz |
|---|---|---|
| 22.00-23.00 | II | 6540,11765 |
| 12.00-13.00 | II | 6480,7580 |
| **English** | | |
| 04.00-05.00 | I | 6540,15520 |
| 08.00-09.00 | II | 6540,15520 |
| 11.00-12.00 | II | 6580,7580 |
| 14.00-15.00 | II | 6480,7580 |
| 19.00-20.00 | I | 6540,7580 |
| **Japanese** | **Area** | |
| 03.00-04.00 | VI | 635,6540,7580 |
| 09.00-15.00 | VI | 635,6540,7580 |
| **Korean** | | |
| 02.00-03.00 | II | 6540,15520 |
| 16.00-17.00 | II | 6540,7580 |
| 20.00-21.00 | I | 6540,7580 |
| 00.00-01.00 | III | 11765,16320 |

**INT-SIG:**



| French | | kHz |
|---|---|---|
| 15.00-16.00 | II | 6540,7580 |
| 21.00-22.00 | I | 6540,7580 |
| **Indonesian** | | |
| 10.00-11.00 | II | 6480,7580 |
| **Russian** | | |
| 6480,7500 | | |
| 13.00-14.00 | V | 6480,7580 |
| 17.00-18.00 | IV | 6540,7580 |
| **Spanish** | | |
| 23.00-24.00 | III | 11765,16320 |
| 01.00-02.00 | III | 11765,16320 |

## KOREA (Republic of)

**L.T:** GMT+9 h — **Pr.L:** Korean.

**THE KOREAN BROADCASTING SYSTEM (Gov.)**
**ADDR:** Overseas Broadcasting Station, Yejangdong 8, Chung-ku, Seoul. **Te:** 23-1676 — **L.P:** Management Bureau: Dir. H. S. Lee. Chief Eng: I. K. Lee. Seoul Central Broadc. St (HLKA): Dir. J. Y. Lee. Overseas Broadc. St. (HLSA): Dir. Y. S. Lee. Chief Eng: K. S. Chung.

**STATIONS:**
**Medium Waves:** °=short wave.

| Name | Call | kHz | kW | Name | Call | kHz | kW |
|---|---|---|---|---|---|---|---|
| Bosung | HLSL | 540 | 1 | Seoul | HLSA | °970 | 100 |
| Jumchon | HLSC | 540 | 1 | Chongju | HLKQ | 1030 | 10 |
| Hongsung | HLCZ | 540 | 1 | Namwon | HLKL | 1030 | 1 |
| Youngwol | HLCV | 540 | 1 | Hwanchon | HLCG | 1030 | 1 |
| Chinju | HLCJ | 560 | 1 | Chungju | HLCB | 1090 | 1 |
| Masan | HLKD | 570 | 1 | Yanggu | HLSY | 1115 | 0.25 |
| Jonju | HLKF | 570 | 10 | Inje | HLSE | 1115 | 0.25 |
| Kangneung | HLKR | 575 | 10 | Samchok | HYCI | 1120 | 1 |
| Seoul | HLCA | °600 | 10 | Chongju | HLSN | 1150 | 1 |
| Janghung | HLSM | 600 | 1 | Wonju | HLCW | 1190 | 1 |
| Chunchon | HLKM | °660 | 10 | Sogwipo | HLCF | 1240 | 1 |
| Seoul | HLKA | °710 | 500 | Ullungdo | HLCU | 1320 | 0.25 |
| Taegu | HLKG | 740 | 100 | Yosu | HLCY | 1340 | 1 |
| Kwanju | HLKH | 750 | 10 | Pohang | HLCP | 1420 | 0.25 |
| Mokpo | HLKN | 860 | 10 | Kimchon | HLSK | 1480 | 0.25 |
| Taejon | HLKI | 880 | 10 | Hamyang | HLSH | 1480 | 0.25 |
| Pusan | HLKB | 890 | 50 | Hwangji | HLSJ | 1480 | 0.25 |
| Chulwon | HLCO | 920 | 1 | Sunchon | HLKZ | 1540 | 0.25 |
| Andong | HLCR | 940 | 1 | Sokcho | HLCS | 1570 | 1 |
| Cheju | HLKS | 955 | 1 | | | | |

**Short Waves:** 1) Seoul, 2) Suwon (G.C: Seoul 126.55E/37.33N); Suwon 127.01E/37.16N).

| | Call | kHz | m | kW | | Call | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|---|
| 1) | HLK50 | 2510 | 119.50 | 10 | 1) | HLK30 | 7190 | 41.72 | 1 |
| 1) | HLK51 | 3910 | 76.73 | 5 | 2) | HLK5 | 9640 | 31.12 | 50 |
| 1) | HLK22 | 5975 | 50.21 | 10 | 2) | HLK6 | 11925 | 25.17 | 50 |
| 2) | HLK31 | 6015 | 49.88 | 50 | 2) | HLK41 | 15125 | 19.83 | 50 |
| 2) | HLK53 | 6035 | 49.71 | 10 | 2) | HLK41 | 15430 | 19.44 | 50 |

**Chunchon: HLK23** 2470kHz 121.5m 1kW.

**HOME SERVICE:**
**1st Prgr:** (Korean): 20.00-17.00 on 710/2510/3910/5975/7190kHz. **N:** 21.00, 22.00, 23.00, 01.00, 03.00, 04.00, 06.00, 07.00, 08.00, 09.00, 10.00, 12.00, 13.00, 14.00 — **2nd Prgr:** (Korean): 20.00-17.00.

**FOREIGN SERVICE:**
J=General Sce; II=Europe; III=So. Ea. Asia; IV=USSR; V=Japan; VI=Asia; VII=No. America; VIII=Latin America; IX=China; X=Vietnam (for Korean troops); XI=No. Korea.

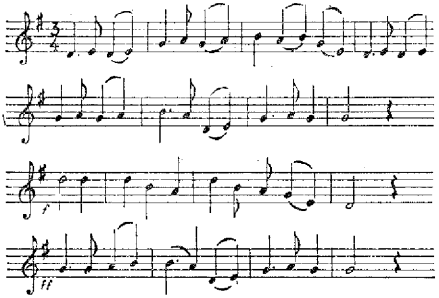
| English | Area | kHz | Russian | Area | kHz |
|---|---|---|---|---|---|
| 21.00-21.30 | I | 9640 | 21.45-22.00 | IV/VI | 9640 |
| 03.00-04.00 | VII | 15430 | 14.45-15.00 | IV/VI | 9640 |
| 05.00-05.30 | I | 9640 | | | |
| 06.00-07.00 | II | 15430 | **Spanish** | | |
| 08.00-08.30 | III | 6035, 9640 | 02.00-02.30 | VIII | 15430 |
| 10.30-11.00 | I | 9640 | | | |
| 14.30-15.00 | III | 15430 | **Chinese** | | |
| **French** | | | 22.00-22.30 | VI | 9640 |
| 07.00-07.30 | II | 15430 | 08.30-09.00 | VI | 6035, 9640, 970 |
| 15.30-16.00 | III | 15430 | | | |
| **Japanese** | | | 10.00-10.30 | I | 9640 |
| 01.00-02.00 | V | 9640 | 14.00-14.30 | VI | 9640 |
| 09.00-10.00 | V | 9640 | 15.00-15.30 | III | 15430 |
| 13.00-14.00 | V | 6035, 9640 970 | 16.30-17.00 | IX | 6035 |
| | | | 16.45-17.00 | IX | 710 |
| 15.00-15.30 | V | 890 (Pusan) | | | |

| Korean | Area | kHz | Korean | Area | kHz |
|---|---|---|---|---|---|
| 22.30-23.00 | VI | 9640 | 11.00-11.30 | I | 9640 |
| | X | 15430 | 09.00-13.00* | XI | 6015, 6035 |
| 01.00-01.30 | V | 9640 | 14.00-16.00 | XI | 6015, 6035 |
| 02.30-03.00 | VII | 15430 | 16.00-16.30 | X | 15430 |
| 04.30-05.00 | X | 15430 | | | |

*includes VUNC relay 12.00-13.00

**NEWS: English:** 21.00, 03.00, 05.00, 06.00, 08.00, 10.30, 14.30. **French:** 07.00, 15.30. **Russian:** 21.45, 14.45. **Spanish:** 02.00. **DX PRGR. (in English):** Last Thurs: 03.15, 05.15, 06.15, 08.15, 10.45, 14.45, 21.15.

**ANN:** Korean: "KBS Seoul Choong-ang bang song kuk che il bang song im ni da HLKA" (KBS this is the first network of Seoul Central Broadc. Station, HLKA). English: "This is the Voice of Free Korea, the Korean Broadc. System in Seoul, Korea". **INT-SIG:** Foreign Sce: Korean Folk Music played as Yang-geum with orchestra:



**V.** by QSL-card or letter — **PUB:** pamphlet, pennant free to listeners. "Korean Radio and TV" (English) yearly.

**CHRISTIAN BROADCASTING SYSTEM (Non-comm. Indep.)**
**ADDR:** 91 Chongno 2-ka, Seoul. **Te:** 741761 — **L.P:** Dir: E. O. De Camp. Mgr: Y. H. Choi. Dir. Tec: Y. H. Park.
**STATIONS:**

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| HLKY[1] | 840 | 357 | 50 | HLKP[3] | 1400 | 214 | 1 |
| HLKT[2] | 1000 | 300 | 1 | HLCM[5] | 1400 | 214 | 1 |
| HLCL[4] | 1000 | 300 | 1 | HLFY | 104MHz | | |

[1]Seoul, [2]Taegu, [3]Pusan, [4]Kwangju, [5]Iri.

**HOME SCE: Korean:** 20.20-15.00 — **N, Wrp:** 21.30, 21.50, 22.50, 02.50, 03.50, 04.50, 06.50, 08.50, 10.50, 12.50. **English** (for UN Forces): Sun 23.00-03.00, 12.30-13.00 (Rlg. prgr.) — **ANN:** "This is CBS, The Christian Broadc. System, HLKY, Seoul" — **V.** by letter. Recordings accepted — **F.PL:** St. at Taejon — **PUB:** Special Music prgr. — **FI:** By donations and limited commercials.

**RADIO STATION HLKX (Religious, Educational)**
**ADDR:** Box 16, Inchon. **Te:** 2-2910. **Cable:** Team Radio. — **L.P:** St. Mgr: R. H. Pence.
**STATIONS** (System: RCA): 1090kHz 275.2m 50kW.
**HOME SCE. in Korean, Chinese, English, Russian:**
Sat 05.30—Sun 22.00 (without break), other days 05.00-22.00.
**Korean:** 09.00-10.00 (exc. Sat), 17.00-19.00 (Sun 20.00), 22.00-23.00 (exc. Sun) — **Chinese:** 05.00-07.00 (exc. Sat), 13.00-15.00 (exc. Sat), 17.00-19.00 (exc. Sat/Sun), 20.00-22.00 (Sun only) — **English:** 05.30-13.00 (Sat), 23.30-09.00 (Sun), 07.00-09.00 (Mon-Fri) — **Russian:** 11.00-13.00 (exc. Sat), 13.00-15.00 (Sat) 15.00-17.00, 19.00-21.00 (Sat).
**Note:** Although times are GMT, calendar days apply to Korea only.
**ANN:** "This is the Voice of Gospel — Team Radio HLKX, Inchon, Korea — a missionary project of the Evangelical Alliance Mission Wheaton Ill" — **V.** by QSL-card or letter. Recordings accepted — **PUB:** Prgr. schedule free. HLKX-Echoes (quarterly). — **FI:** By contributions and free will offerings.

**DONG-A BROADCASTING SYSTEM (DBS) (Comm, Private)**
**ADDR:** 139, Sejong-no Chongno-ku, Seoul.
**STATIONS:** HLKJ (Seoul) 790kHz 379.7m 10kW.
**HOME SCE:** 20.00-15.00 — **N, Wrp:** 21.00, 22.00, 23.00, 02.00, 03.00, 04.00, 06.00, 07.00, 08.00, 10.00, 12.00, 13.00, 14.00.

**HANKUK MUNHWA BROADC. CORPO. (Comm, Private)**
**ADDR:** 15, Insadong chongno-ku, Seoul — **L.P:** Man. Dir: Lee, Soo Hong. Exec. Man. Dir: Hwang, Ui Young.
**STATIONS:** HLKV (Seoul Key Station) 900kHz 50kW — HLKU (Pusan) 1160kHz 10kW — HLCT (Taegu) 810kHz 1kW — HLCN (Kwangju) 820kHz 1kW — HLCQ (Taejon) 1110kHz 1kW — HLCX (Choniu) 1140kHz 5kW.
**HOME SCE:** 20.00-16.00 — **N, Wrp:** 20.50, 21.50, 22.50, 23.55, 00.50, 01.50, 02.45, 03.50, 05.55, 06.55, 07.55, 08.50, 09.50, 10.40, 11.50, 12.50 — **F.PL:** Increase outputs of 1kW tr's to 10kW

in 1968, and FM mono/stereophonic broadc. sce; TV st. HLKO (Seoul) chll 10kW, HLCB (Pusan) ch12 5kW to operate in 1968.

**TONG-YANG BROADCASTING CO., LTD.**
**ADDR:** 58-9 Seosomun-dong, Seoul. **Te:** 23-6193. **Cable:** tbcradiotv. **L.P:** Pres: Kim, Dong-Keuk. Exec. Dir: Kim Dok-Po. Dir. Tec: Choi Dang. Prgr. Mgr: Lee Won-Hi.
**STATIONS:** HLKC (Seoul) 640kHz 20kW — HLCD 89.1MHz.
**HOME SCE:** 20.00-16.00 (HLCD 15.00) — **N, Wrp:** 21.00, 22.00, 23.00, 02.00, 03.00, 04.00, 05.00, 06.00, 07.00, 08.00, 09.00, 10.00, 12.00, 13.00, 14.00

**AMERICAN FORCES KOREA NETWORK**
**ADDR:** Headquarters U.S. Army Element, American Forces Korea Network, APO San Francisco 96301, Calif. USA. **Te:** Yongsan 2495 — L.P: Commanding Officer: Lt. Col. L. W. Souville. Dep. Commanding Officer: Capt. R. R. Marsh. Dir. of Prgr's: Ed. Masters. Chief of Engineering: W. E. Ireland.
**STATIONS: 24h.**

| | kHz | kW | | kHz | kW |
|---|---|---|---|---|---|
| Seoul[1] | 560 | 5 | Tongduchon[2] | 1200 | 5 |
| Taegu[6] | 580 | 5 | Osan[3] | 1360 | 1 |
| Munsan-Ni[4] | 580 | 1 | Unchon[7] | 1400 | 1 |
| Pusan[5] | 780 | 5 | Wonju | 1440 | 1 |
| Chunchon | 1040 | 1 | Kunsan[8] | 1440 | 1 |
| Kwangju | 1150 | 0.25 | Taejon | 1480 | 1 |
| Cheju-do | 1150 | 0.25 | Pohang | 1510 | 0.25 |
| Kwandae-Ri | 1160 | 0.25 | Pyangyangdo | 1510 | 0.25 |

**FM:** Seoul[1] 102.7MIlz 1kW — IIwaaksan 89.1MHz 0.25kW.
1="Vagabond", 2="Bayonet", 3="Comet", 4="Tomahawk", 5="Homesteader', 6="Kilroy", 7="Gipsy", 8='Mercury", rel. 560kHz Kunsan, Chunchon, Tacjon may change to 780kHz.
**N:** Every h on the h — **ANN:** "This is the American Forces Korea Network". Local identification: "This is R. "Vagabond" in Seoul" etc. **V.** by QSL-card. Re. to Hqs. AFKN, APO 96301, S. Francisco, Calif, USA. Rp.

**VOICE OF THE UNITED NATIONS COMMAND (VUNC)**
**ADDR:** 7th Psyop Gp, APO 96248.
**STATIONS:** Seoul 1100kHz 5kW — Kangwha Isl. 1270kHz 50kW — Chorwon* 1240kHz 5kW.
**Short Waves** (Seoul): 2635kHz 113.9m 0.3kW — 3985kHz 75.28m 0.3kW. **D.Prgr. in Korean:** On 1240/1270/2635/3985kHz: 08.00-03.00. On 1100kHz: 08.00-22..00 — **V.** by QSL-card — **PUB:** Prgr. schedule yearly — *) to move to Pusan and power to be 10kW — **Note:** Certain VUNC prgr's are relayed by KBS on 6015kHz (50kW) at 06.00-07.00 and on 600kHz (500kW) at 20.35-21.00.

## KUWAIT

**L.T:** GMT+3 h — **Pr.L:** Arabic.

**KUWAIT BROADCASTING & TELEVISION SERVICE (Gov.)**
**ADDR:** P.O. Box 193, Kuwait. **Te:** 39411. **Cable:** Alirshad — **L.P:** Minister of Guidance & Inf: H. E. Jaber Al-Ali Al-Salem Al-Sabah. Under Secr: Sa'dun Al-Jassim. Asst. Under Secr. (Adm. & Finance): A. A. Samad. Asst. Under Secr. (Broadc): A. A. Ja'far. Chief Eng: A. E. Houty. Tec. Adviser: R. Karrer.
**STATIONS:** mw: 1/10/200kW; sw: 1/10/50kW (G.C: 47.53E/29.16N)

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 539 | 556.5 | *4967.5 | 60.39 | 11940 | 25.12 | 17750 | 16.90 |
| 1133 | 264.8 | **6055 | 49.55 | °15150 | 19.80 | 21525 | 13.94 |
| 1345 | 223.2 | 9520 | 31.51 | | | | |

*=throughout the year; **=Wi. only; °=Su only.
**HOME SCE.** in Arabic: 02.25-07.00, 09.00-21.15 — **N, Wrp:** 03.00, 05.00, 10.00, 13.00, 13.15 (official ann), 17.00, 19.00, 21.00 — **English:** 04.00-06.00, 16.00-19.00 on 1133/4967.5kHz — **N:** 05.30. 16.15. 18.15 — **ANN:** "Huna Itha' at al Kuwait" — **INT-SIG:** "We", an old Kuwaiti tune played on violin.

**V.** by QSL-card, Recordings accepted.

## LAOS (Kingdom of)

**L.T:** GMT+7 h — **Pr.L:** Laotian, French.

**RADIODIFFUSION NATIONALE LAO (Gov.)**
**ADDR:** Vientiane. **Te:** 2457 — **L.P:** Dir. Gen: Bounthamaly. Mgr: Phimavong. Dir. Tec: Viengsavan. Dir. of Prgrs: M. Chanthasouxad.
**STATIONS:** (G.C: 102.33E/34.08N): 10kW. 640kHz 468m — 6130kHz 48.94m
**HOME SCE. in Laotian, French, Vietnamese:** 23.30-02.00. 05.00-07.00, 10.00-14.30 — **N: Laotian:** 00.00, 05.30, 12.00; **French:** 00.30, 05.45, 13.15; **Vietnamese:** 13.00 — **English Lessons:** 20.45 (3 times weekly) — **ANN:** F: "Ici Vientiane, R.diff. Nationale Lao" — **INT-SIG:** Music on Khéne, Instrument of Bamboo — **V.** by QSL-card. Rp. Recordings accepted — **F.PL:** 50kW

## LEBANON

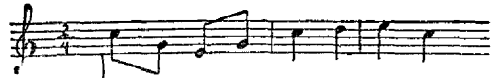
**L.T:** GMT+2 h — **Pr.L:** Arabic, French, English.

**LEBANESE BROADCASTING STATION (Gov.)**
**ADDR:** R. Lebanon, Ministry of Information, Beirut. **Te:** 251880. **Cable:** Radioliban — **L.P:** Dir. Gen: C. Rizk. Dir. of Broadc: H. Al-Hassan. Dir. Tec: J. Rouhayem. Dir. Prgr: C. Menassa. Head of Adm: K. Hage Ali.
STATIONS (G.C: 35.38E/34.08N): 989kHz 10kW, others 100kW

| kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|
| 836 | 359 | 9545 | 31.43 | 15350 | 19.54 |
| 989 | 303.3 | 11785 | 25.46 | | |
| 5980 | 50.17 | 15325 | 19.58 | | |

**HOME SCE: Prgr. I (Arabic):** On 836kHz: 04.30-07.30, 09.25-23.30; On 5980kHz: 04.30-07.30, 16.15-18.20; On 9545kHz: 09.30-16.00 — **N:** 05.00, 05.30, 06.00, 07.00, 10.00, 11.00, 12.00, 13.00, 16.00, 17.00, 18.00, 20.00, 22.00.
**Prgr. II:** On 989kHz: French: 05.30-09.30, 11.00-15.00, 17.00-22.00 — **N:** 05.30, 11.30, 17.30, 19.55 — **L.L:** English: Thurs 17.15, French; Wed 17.15 — **English:** 15.00-17.00 — **N:** 15.00. **F.M.**=98.7MHz 3kW: 12.30-22.00 (Music)

**FOREIGN SCE:** 18.30-20.30 on 15350kHz **to Africa** in English, Arabic, French; 23.00-01.00 on 15325kHz **to So. America** in Portuguese, Arabic, Spanish; 01.30-04.00 on 11785kHz **to No. America** and Europe in Spanish, English, Arabic.
**N: English** 18.30, 02.30; **French** 20.00, 01.30; **Portuguese** 23.00; **Spanish** 00.30, 03.30; **Arabic** 19.00, 23.30, 02.00, 03.00.
**ANN:** Arabic: "Houna Beyrouth, Dar al'iza'a al Loubnaniat". F: "Ici Beyrouth, Station de Radiodiffusion Libanaise". E: "This is the English prgr. of the Lebanese Broadc. St. in Beirut". Sp: "Aqui Beyrouth el Libano transmitiende para América del Sur or América del Norte". P: "Aqui Beyrouth, o Libano falande as Brasil" — **V.** by QSL-card and lettter — **INT-SIG:** Guitar (opening notes from the Lebanese National Anthem).



**PUB:** "Houna Beyrouth" (Ici Beyrouth) monthly, free upon request.

## MACAU (Portuguese China)

**L.T:** GMT+8 h — **Pr.L:** Portuguese, Chinese, English.

**EMISSORA DE RADIODIFUSAO DE MACAU (Gov.)**
**ADDR:** Macau. **Cable:** ERM Te: 4491-25 — **L.P:** Dir. Gen: R. Salazar Trindade. Dir. Tec: F. A. de Macedo Pinto.
**STATIONS:** 1200kHz 0.25kW — **FM:** 98.0MHz 1kW (relay 1200kHz & 900kHz) — **HOME SCE: Portuguese:** 23.00-00.30, 05.00-06.30, 12.00-15.00 — **Chinese:** 09.30-11.30 — **ANN:** "Aqui Emissora de R. difusão de Macau" — **V.** by letter or QSL-card.

**EMISSORA VILA VERDE (Priv. — Comm.)**
**ADDR:** R. Francisco Xavier Pereira 123, Macau. **Cable:** Vila. Te: 3355.
**STATIONS:** 1005kHz 298m 0.25kW — 735kHz 408m 10kW.
**FM:** 89.0MIlz 5W (relay 735kHz) — **HOME SCE: Chinese:** 23.00-16.00 on 735kHz — **Portuguese:** 12.00-16.00 on 1005kHz — **ANN:** P: "Aqui Emissora Vila Verde Macau" — **INT-SIG:** chimes — **V.** by letter or QSL-card.

## MALAYSIA (Federation of)

**L.T:** GMT+7½ h — **Pr.L:** Malay, English.

**RADIO MALAYSIA (Gov.)**
**ADDR:** Dept. of Radio, P.O. Box 1074, Kuala Lumpur. **Te:** 23551. **Cable:** Broadcasts — **L.P:** Dir: Dol Ramli. Dep. Dir: Murtadza Za'ba. Contr. of Prgr's: Hashim Hassan. Chief Eng: Sen Gupta; Publicity Officer: Felix Puerto.
**STATIONS:** M=Malay, I=Indian, C=Chinese.

| | kHz | kW | L | | kHz | kW | L |
|---|---|---|---|---|---|---|---|
| Johore Bahru | 570 | 10 | M | Kota Bahru | 840 | 10 | E |
| Kuala Lumpur | 590 | 20 | M | Penang | 860 | 10 | E |
| Penang | 660 | 10 | M | Kuala Lumpur | 885 | 20 | E |
| Kota Bahru | 700 | 10 | M | Jooh | 740 | 5 | E |
| Jooh | 550 | 5 | M | Kuala Trenggamu | 765 | 10 | M |
| Kuantan | 810 | 10 | M | Johore Bahru | 940 | 10 | E |

# RADIO MALAYSIA

**Federal House, P.O. Box 1074,**

**Kuala Lumpur**

**Telephone: 23551/5**

**Cable: Broadcasts Kuala Lumpur**

**Ini-Lah SUARA MALAYSIA!**

THE VOICE

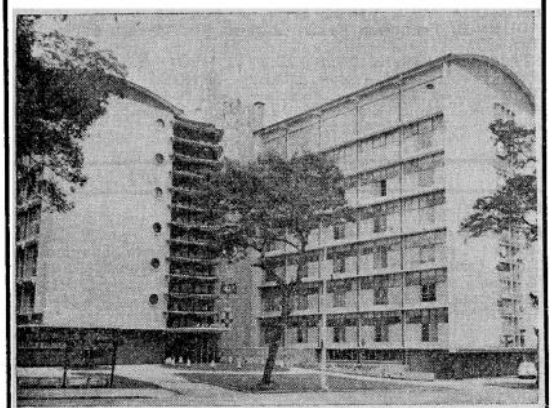
OF

MALAYSIA

**informs — entertains — educates**

The Voice of a Friendly People invites you to listen to its **Overseas Service** on 49 metres (6100, 6175 kc/s) and 25 metres (11900 kc/s) in:

| Language | GMT | kc/s | News |
|---|---|---|---|
| ENGLISH | 0645-0845 | 6100, 6175, 11900 | 0700 |
| | | | 0830 |
| INDONESIAN | 0900-1400 | 6100, 6175, 11900 | 0900 |
| | | | 1045 |
| | | | 1245 |
| | | | 1350 |
| MANDARIN | 1400-1600 | 6100, 6175, 11900 | 1430 |
| | | | 1530 |



| | kHz | kW | L | | kHz | kW | L |
|---|---|---|---|---|---|---|---|
| Kuala Trengganu | 960 | 10 | E | Malacca | 1160 | 10 | E |
| Malacca | 1005 | 10 | M | Ipoh | 1260 | 5 | C/I |
| Penang | 1040 | 10 | C/I | Johore Bahru | 1220 | 10 | C/I |
| Kuala Lumpur | 1070 | 20 | C/I | Malacca | 1280 | 10 | C/I |
| Kuantan | 1140 | 10 | E | | | | |

**Short Waves:** (a) Kuala Lumpur (Kajan), (b) Penang.
(G.C: a) 101.46/E003.01N — b) 100.19E/05.25N)

| kHz | m | kW | L | kHz | m | kW | L |
|---|---|---|---|---|---|---|---|
| 4790b | 62.63 | 10 | M | 6175a | 48.58 | 100 | O |
| 4845a | 61.92 | 10 | I | 7110a | 42.19 | 50 | C |
| 4895a | 61.29 | 50 | E | 7200b | 41.67 | 10 | M |
| 4985b | 60.18 | 10 | E | 7300b | 41.09 | 10 | E |
| 5030a | 59.64 | 50 | E | 9515b | 31.53 | 10 | M |
| 6025a | 49.79 | 10 | C | 9710a | 30.90 | 50 | M |
| 6100a | 49.18 | 100 | O | 11900a | 25.21 | 100 | O |
| 6135a | 48.90 | 10 | I | | | | |

O="Voice of Malaysia" (Overseas).

**HOME SCE. in Malay, English, Chinese, Indian:**
**Malay** on 550/570/590/660/700/765/810/1005/4790/7200/9515kHz: Mon-Thurs: 22.30-01.30, 02.30-06.30, 07.30-16.30. Fri-Sun: 22.30-16.30. **N:** 00.00, 01.00, 03.30, 06.00, 09.30, 12.30, 14.30, 16.00 — **For Schools:** Mon/Tues/Wed/Thurs: 01.30-02.30, 06.30-07.30 — **Comm. Prgr's:** 22.30-01.30, 04.30-06.30; Fri: 22.30-01.30, 06.00-08.00, 09.30-11.00, 11.45-13.00; Sat/Sun: 22.30-11.00, 11.45-13.00.
**English** on 740/840/860/885/940/960/1140/1160/4985/5030/7300kHz: Mon-Fri: 22.30-01.30, 05.30-06.30, 09.30-16.30. Sat: 22.30-01.30, 05.30-16.30. Sun: 22.30-16.30 — **N:** 23.30, 00.30, 06.00, 09.30, 11.00, 14.00, 16.00 — **For Schools:** Mon/Tues/Wed: 01.30-02.30, 06.30-07.30 — **Comm. Prgr's:** 22.30-01.30, 05.30-06.30 (Sun 01.30-03.30, 04.30-05.30), 09.30-10.30 (Sat/Sun 08.30 — 09.30), 12.30-14.30.
**Chinese** on 1040/1070/1220/1260/1280/6025/7110kHz: Mon-Fri: 22.55-01.30, 04.30-05.45, 08.30-16.30. Sat/Sun: 22.55-16.30 — **N:** 23.00, 23.30, 24.00, 00.30, 04.35, 05.20, 05.35, 09.30, 12.30, 13.30, 14.30, 15.00, 16.00 — **For Schools:** Mon/Tues/Wed: 01.30-02.30, 06.30-07.30 — **Comm. Prgr's:** 22.55-01.30, 04.30-05.45, 08.30-10.30 (Sat/Sun: 08.00-08.30), 12.30-14.30.
**Indian** on 1040/1070/1220/1260/1280/4845/6135kHz: Mon-Fri: 22.00-00.30, 05.45-07.30, 09.00-15.30. Sat: 22.00-03.30, 05.45-15.30. Sun: 22.00-15.30 — **N:** 22.45, 24.00, 06.00, 09.30, 11.30, 15.15 — **For Schools:** Mon/Wed/Thurs: 03.00-04.00, 07.30-08.30 — **Comm. Prgr's:** 22.00-22.55, 05.45-07.30 (Sat/Sun 01.30 — 03.30, 07.30-08.00), 10.30-11.00, 13.30-14.30.

**OVERSEAS SERVICE ("VOICE OF MALAYSIA").**
On 6100/6175/11900kHz: **English:** 06.45-08.45. **N:** 07.00, 08.30 — **Indonesian:** 09.00-14.00. **N:** 09.00, 10.45, 12.45, 13.50 — **Mandarin:** 14.00-16.00. **N:** 14.30, 15.30.
**ANN:** Malay: "Ini-lah Radio Malaysia". English: "This is Radio Malaysia" — **INT-SIG:** First bar of National Anthem "Negara Ku" (Chimes) — **V.** by QSL-card and letter. Recordings accepted — **F.PL:** 1x 250kW sw-tr for Overseas Sce. at Kajang; 3 x 50kW medium wave tr's at Johore Bahru — **PUB:** Prgr. sched. for Home Sce. (Malay, English, Mandarin-Tamil) and Overseas Sce. (Indonesian, Mandarin, English) weekly — **FI:** By state and adv — **ALF** $12.

**BBC FAR EASTERN STATION**
**ADDR:** P.O. Box 416, Johore Bahru, Malaysia.
**STATIONS** (G.C: 103.48E/01.32N) (Tr. located at Tebrau):

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 3915 | 76.64 | 7120 | 42.13 | 9725 | 30.85 | 15435 | 19.44 |
| 6010 | 49.92 | 7235 | 41.47 | 11725 | 25.59 | 17880 | 16.78 |
| 6080 | 49.34 | 9570 | 31.35 | 11750 | 25.53 | | |
| 6110 | 49.10 | 9580 | 31.32 | 11955 | 25.09 | | |

**RELAYS OF BBC WORLD SERVICE**
**To Australia/New Zealand;** 09.00-11.30 on 11750kHz, 13.00-13.15 (Australia only) on 11955kHz.
**To No. & Ea. China, Korea, Japan, No. We. Pacific:** 23.30-23.15 on 7120, 9725, 11955, 15435kHz; 00.00-00.30 on 11725, 15435kHz; 09.00-13.00 on 11750kHz; 09.00-09.45 on 11955, 17880kHz; 10.45-13.30 on 15435kHz: 13.00-13.15 on 17880kHz.
**To So. China, Hong Kong, Vietnam, Laos, Cambodia:** 23.00-23.15 on 3915, 7120, 9725, 11955, 15435kHz; 00.00-00.30 on 11725, 15435kHz; 00.00-00.15 on 7120, 9725, 11955kHz; 09.00-13.00 on 11750kHz; 09.00-09.45 on 11955, 17880kHz; 10.45-13.30 on 15435kHz 13.00-13.15 on 17880kHz; 13.00-16.45 on 7120kHz; 6110kHz from 14.00 & 9725kHz from 14.15.
**To Indonesia:** 23.00-23.15 on 3915, 6080, 7120, 9725kHz; 00.00-00.30 on 9570kHz; 09.00-11.30 on 11750kHz; 09.00-09.45 on 7235, 9725kHz; 11.00-11.15 on 7235, 9725kHz.
**To Burma, Thailand:** 23.00-23.15 on 3915, 7120, 9725kHz; 00.00-00.30 on 11725kHz; 00.00-00.15 on 7120, 9725, 11955kHz; 09.00-16.45 on 11750kHz; 13.00-14.15 on 7120, 9580 (from 13.30), 6110kHz (from 14.00); 14.15-16.45 on 6110, 7120, 9725kHz.
**To India, Pakistan, Ceylon:** 09.00-16.45 on 11750kHz; 13.30-16.45 on 9580kHz.
**ENGLISH BY RADIO:**
23.30-23.45 on 3915/6080/7120/9725kHz; 00.30-00.45 on 7120/9570/9725/11725/11955/15435kHz; 09.45-10.00 on 7235/9725/11955/17880 kHz; 13.45-14.00 on 6110kHz; 16.15-16.30 on 11955kHz.

**RELAYS OF ASIAN SERVICE:**

| Bengali | m.b | Sinhala | m.b |
|---|---|---|---|
| 15.45-16.15 | 25 | 15.45-15.15 | 25 |
| **Burmese** | | | |
| 00.15-00.30 | 41, 31, 25 | **Tamil** | |
| 13.45-14.15 | 31, 25 | 15.45-16.15 | 25 |
| **Chinese** | | | |
| 22.15-22.45 | 75, 49, 41, 31, 25, 19 | **Thai** | |
| 10.00-10.30 | 41, 31, 25, 16 | 23.45-24.00 | 41, 31, 25 |
| 12.00-13.00 | 41, 31, 25, 16 | 13.15-13.45 | 31, 25 |
| **Hindi** | | | |
| 15.00-15.45 | 25 | **Urdu** | |
| **Indonesian** | | 14.15-15.00 | 25 |
| 23.15-23.30 | 75, 49, 41, 31 | | |
| 10.30-11.00 | 41, 31, 25 | **Vietnamese** | |
| **Japanese** | | 22.45-23.00 | 75, 41, 31, 25, 19 |
| 22.00-22.15 | 49, 41, 31, 25, 19 | 11.30-12.00 | 41, 31, 25 |
| 11.00-11.30 | 25 | | |

**V:** The BBC welcomes reception reports, which are acknowledged with a special card. Re. to C.E.X.B. British Broadcasting Corporation, Bush House, London W.C.2. Recordings accepted.

**R. RAAF BUTTERWORTH** (a voluntary, non-profit organization) — **ADDR:** RAAF Base, Butterworth.
**STATIONS:** 1445kHz 0.5kW — **D.PRGR. in English:** Mon-Fri *22.30-05.30, 09.00-12.30; Sat 01.00-16.30; Sun 05.00-15.00.* **N:** 23.00** (W exc. Mon), 11.00* (W), 11.00** (Mon-Fri) — *R. Malaysia. **Australian N — **ANN:** "This is the Voice of the Royal Australian Air Force in Malaysia, Radio RAAF Butterworth".

**REDIFFUSION (MALAYA) LTD.**
**Kuala Lumpur** (Headquarters): P.O. Box 570. **Te:** 81941. **Cable:** Rediffuse. **L.P:** Man. Dir: G. H. Oldridge Esq. Gen. Mgr: M. J. Bleeck — Two simultaneously wired broadc. networks. Originating own prgr's and rel. "R. Malaysia", BBC etc. — **Penang:** P.O. Box 559. **Te:** 61761. **Cable:** Rediffuse. Gen. Mgr: M. J. Bleeck. Two simultaneously wired broadc. networks. Originating own prgr's and rel. "R. Malaysia", BBC etc. **Ipoh:** 127 Jalan Pair Putch, Ipoh, Perak. **Te:** 72173. Gen. Mgr: M. J. Bleeck. Two simultaneously wired broadc. networks. Originating own prgr's and relaying Rediff. Kuala Lumpur, R. Malaysia, BBC, etc.

## MALDIVE ISLANDS

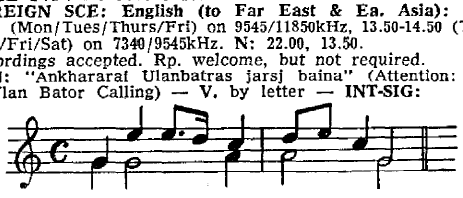
**L.T:** GMT+5½ h — **Pr.L:** Maldivian.
**MALDIVE ISLANDS BROADCASTING SCE. (Gov.)**
**ADDR:** Malé. **Te:** 307. **L.P:** Dir: U. A. Khaleel. Chief Engineer: Q.A. Wickramasinghe.
**STATIONS** (Coverage: Ceylon, India, Pakistan)
1507kHz 199.0 5kW — 3000kHz 100.0m 2.7kW — 3329kHz 90.12m 15kW — 7225kHz 41.52m 2.7kW — 9552kHz 3141m 15kW.
**D.PRGRS:** On 1507kHz: *05.00-07.00,* 15.00-17.30; On 3000kHz: *03.00-05.00, 12.00-13.30;* On 3329kHz: 13.30-18.00; On 7225kHz: *01.00-03.00,* 09.30-12.00; On 9552kHz: 07.00-09.30.
**N. in Maldivian:** 12.30, 18.30, 00.30 — **L.L (English):** Sun, Wed 17.00-17.15 — **Relay R. Peking:** 03.00 on 3000kHz. **Relay All India Radio:** 08.00 on 9552kHz. **Relay BBC:** 09.00 on 9552kHz. **Relay R. Moscow:** 11.00 on 7225kHz. **Relay VOA:** 14.00 on 3329kHz.
**ANN:** "Maldive Islands Broadcasting Service" — **V.** by letter. Recordings accepted. Reports to be sent to M.I.B.S. External Section — **F.PL:** 20kW sw-tr under construction — **ALF:** Rs 12.00.

## MONGOLIA (Peoples Rep.)

**L.T:** GMT+8 h — **Pr.L:** Mongolian.
**ULAN BATOR RADIO (Gov.)**
**ADDR:** CPO Box 365, Ulan Bator. **Cable:** Mongolian Radio. **L.P:** Dir. of Foreign Rel: B. Dagva.
**STATIONS:** Ulan Bator & Bain-Ulgei

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 209 | 1435 | 60 | 5960 | 50.34 | 50 | 7340 | 40.87 | 50 |
| 227 | 1321 | 150 | 6105 | 49.14 | 5 | 9545 | 31.43 | 50 |
| 3972 | 75.52 | 25 | 6170 | 48.62 | 5 | 9575 | 31.33 | 50 |
| 4762 | 63.00 | 50 | 7130 | 42.08 | 5 | 11850 | 25.32 | 50 |
| 5052 | 59.38 | 50 | 7260 | 41.32 | 50 | 11905 | 25.20 | 25 |

**HOME SCE:** No recent details received.
**FOREIGN SCE: English (to Far East & Ea. Asia):** 22.00-23.00 (Mon/Tues/Thurs/Fri) on 9545/11850kHz, 13.50-14.50 (Tues/Wed/Fri/Sat) on 7340/9545kHz. **N:** 22.00, 13.50.
Recordings accepted. Rp. welcome, but not required.
**ANN:** "Ankhararat Ulanbatras jarsj baina" (Attention: This is Ulan Bator Calling) — **V.** by letter — **INT-SIG:**



## NEPAL

**L.T:** GMT+5.40 h — **Pr.L:** Nepali
**RADIO NEPAL (Gov.)**
**ADDR:** Dept. of Broadc, His Majesty's Go. of Nepal, Kathmandu. **Te:** 11569.
**STATIONS** (G.C: 85.20E/27.45N):
9NBM 1500kHz 200.0m 0.25kW
9NB7 4600kHz 65.22m 5kW — 7105kHz 42.22m 5kW
**HOME SCE:** 02.20-04.20, 07.20-09.20 (sw. only), 13.20-15.20. **N. in English:** 03.00, 15.00. **N. in Nepali:** 02.40, 14.50.
**EXTERNAL SCE:** Sat 09.35-10.20 on 7105kHz for Nepalese abroad.
**ANN:** Nepali: "Yo R. Nepal Ho." Newari: "Tho R. Nepal Kha". English: "This is R. Nepal" — **INT-SIG:** Instruments used: Conch-Shell, Violin, Piano and Jal-Tarang — **V.** by QSL-card. Rp — **F.PL:** 100kW to start operation in 1968 — **AD:** between 07.20-09.20.

## OMAN

**L.T:** GMT+4 h — **Pr.L:** Arabic.
**FORCES RADIO SHARJAH**
**ADDR:** Officer in charge, Royal Air Force Sharjah, B.F.P.O. 64. **Te:** Sharjah 321 Ext. 75 — **L.P:** St. Mgr: Flt. Lt. P. D. Long - **STATION:** 1480kHz 0.05kW — **D.PRGR's in English:** Mon-Fri 02.00-03.00, 10.00-12.00, 14.30-19.00 (Sat 05.00-19.59, Sun 05.00-12.00, 14.30-19.00). **N:** 02.00, 11.00, 18.00 (relay BBC/WS) — **ANN:** "You are tuned to Forces Radio Sharjah, broadc. on 1480kHz 202.7m in the medium wave band" — **V.** Reports not wanted.

## PAKISTAN

**L.T:** We. Pakistan: GMT+5 h. Ea. Pakistan: GMT+6 h — **Pr.L:** Urdu, Bengali.

**RADIO PAKISTAN (Gov.)**
**ADDR. & L.P: 1st Addr:** Ferozsons Bldg, Hardinge Rd, Rawalpindi. **L.P:** Dir. Gen: S. M. Husain. Dep. Dir. Gen: M. Jqbal. Dir. Listeners' Research: N. Ahmed. Dir. Educ. Broadc: A. H. Kalim. Dir. Adm: A. A. Hanafi Chief Eng: S. A. Aziz.
**2nd Addr:** 71, Garden Rd, Karachi. **Te:** 71771 — **L.P:** Dep. Dir. Gen. (II): Z. Husain. Dep. Chief Eng: M. G. Baig. Dir. Liaison: O. Mohajir.
**3rd Addr:** Block No. 73, Pakistan Secretariat, Karachi — **L.P:** Dep. Chief Eng: (I): M. A. Rehman. Dep. Chief Eng. (II) Jrfan Ullah. Maintenance Eng: A. Ali.
**4th Addr:** Broadcasting House, Bunder Rd, Karachi — **L.P:** Dir. N: K. S. H. Ansari. Dir. External Sce's. S. A. Gilani.
**STATIONS:**

| Medium Waves: | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Pashawar | 580 | 517.2 | 10 | Rangpur | 1050 | 285.7 | 10 |
| Lahore I | 630 | 476.2 | 100 | Lahore II | 1090 | 285.7 | 10 |
| Dacca II | 690 | 435.1 | 100 | Sylhet | 1140 | 263.2 | 2 |
| Quetta | 750 | 400.0 | 10 | Rawalpindi | 1150 | 260.8 | 10 |
| Karachi I | 830 | 361.4 | 10 | Dacca I | 1170 | 256.4 | 5 |
| Chittagong | 870 | 344.8 | 10 | Rajshahi | 1080 | 277.7 | 10 |
| Hyderabad | 1010 | 297.0 | 10 | | | | |

**Short Waves:** Karachi: 10/50kW (G.C: 67.00E/24.35N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 2420 | 124.00 | 7255 | 41.35 | 11770 | 25.49 | 15335 | 19.56 |
| 3395 | 88.37 | 7275 | 41.24 | 11795 | 25.43 | 15360 | 19.53 |
| 3915 | 76.63 | 7280 | 41.21 | 11800 | 25.42 | 15365 | 19.52 |
| 3945 | 76.05 | 7290 | 41.15 | 11810 | 25.40 | 15370 | 19.52 |
| 3955 | 75.85 | 7295 | 41.12 | 11830 | 25.36 | 15405 | 19.47 |
| 4807 | 62.41 | 9484 | 31.63 | 11845 | 25.33 | 15700 | 19.11 |
| 4895 | 61.29 | 9545 | 31.43 | 11850 | 25.32 | 17710 | 16.94 |
| 4910 | 61.10 | 9560 | 31.38 | 11855 | 25.31 | 17715 | 16.93 |
| 4935 | 60.79 | 9595 | 31.27 | 11875 | 25.26 | 17720 | 16.93 |
| 4980 | 60.25 | 9600 | 31.25 | 11885 | 25.24 | 17740 | 16.91 |
| 5980 | 50.17 | 9614 | 31.20 | 11910 | 25.19 | 17745 | 16.91 |
| 5985 | 50.13 | 9630 | 31.15 | 11914 | 25.19 | 17750 | 16.90 |
| 5990 | 50.08 | 9640 | 31.12 | 11920 | 25.17 | 17755 | 16.90 |
| 6035 | 49.71 | 9645 | 31.10 | 11965 | 25.07 | 17760 | 16.89 |
| 6070 | 49.42 | 9695 | 30.94 | 15100 | 19.87 | 17770 | 16.88 |
| 6075 | 49.38 | 9705 | 30.91 | 15135 | 19.82 | 17775 | 16.88 |
| 6235 | 48.12 | 9737 | 30.81 | 15160 | 19.79 | 17880 | 16.85 |
| 6245 | 48.04 | 9740 | 30.80 | 15175 | 19.77 | 17835 | 16.82 |
| 7010 | 42.80 | 9750 | 30.77 | 15195 | 19.74 | 17855 | 16.80 |
| 7130 | 42.08 | 9755 | 30.76 | 15205 | 19.73 | 17880 | 16.78 |
| 7150 | 41.96 | 9810 | 30.58 | 15240 | 19.69 | 17945 | 16.72 |
| 7160 | 41.90 | 11650 | 25.75 | 15255 | 19.67 | 17950 | 16.71 |
| 7170 | 41.84 | 11672 | 25.71 | 15270 | 19.63 | 21570 | 13.91 |
| 7200 | 41.67 | 11725 | 25.59 | 15275 | 19.64 | 21580 | 13.90 |
| 7225 | 41.52 | 11730 | 25.58 | 15285 | 19.63 | 21590 | 13.90 |
| 7235 | 41.47 | 11740 | 25.55 | 15315 | 19.59 | 21630 | 13.87 |
| 7240 | 41.44 | 11745 | 25.54 | 15325 | 19.58 | 21690 | 13.83 |

**Dacca** 7.5/10/100kW (G.C: 90.25E/23.45N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 2350 | 127.66 | 6070 | 49.42 | 9615 | 31.20 | 15335 | 19.56 |
| 3325 | 90.23 | 6075 | 49.38 | 9645 | 31.10 | 15410 | 19.47 |
| 3950 | 75.95 | 6090 | 49.26 | 9690 | 30.96 | 15550 | 19.29 |
| 3955 | 75.86 | 6112 | 49.08 | 9695 | 30.94 | 17630 | 17.02 |
| 3965 | 75.66 | 6120 | 49.02 | 9740 | 30.80 | 17640 | 17.00 |
| 3985 | 75.28 | 7020 | 42.72 | 11610 | 25.67 | 17710 | 16.94 |
| 4790 | 62.62 | 7080 | 42.37 | 11725 | 25.59 | 17720 | 16.93 |
| 4807 | 62.41 | 7140 | 42.01 | 11730 | 25.58 | 17730 | 16.92 |
| 4810 | 62.37 | 7150 | 41.90 | 11865 | 25.28 | 17760 | 16.91 |
| 4890 | 61.35 | 7155 | 41.92 | 11885 | 25.24 | 17835 | 16.82 |
| 5035 | 59.58 | 7225 | 41.52 | 11890 | 25.23 | 17890 | 16.77 |
| 5970 | 50.25 | 7250 | 41.38 | 15145 | 19.81 | 21465 | 13.98 |
| 5980 | 50.17 | 7263 | 41.30 | 15155 | 19.80 | 21630 | 13.87 |
| 5985 | 50.13 | 7278 | 41.22 | 15160 | 19.79 | 21685 | 13.83 |
| 5995 | 50.04 | 7284 | 41.19 | 15265 | 19.66 | | |
| 6015 | 49.88 | 9605 | 31.23 | 15270 | 19.65 | | |
| 6035 | 49.71 | 9614 | 31.20 | 15285 | 19.63 | | |

**Lahore:** 1kW (G.C: 74.20E/31.35N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 2400 | 125.00 | 4807 | 62.41 | 6138 | 48.88 | 9645 | 31.10 |
| 3335 | 89.96 | 4885 | 61.40 | 6160 | 48.70 | 11800 | 25.42 |
| 3395 | 88.35 | 6025 | 49.79 | 7225 | 41.52 | 11840 | 25.34 |
| 3915 | 76.63 | 6030 | 49.75 | 7245 | 41.41 | | |
| 3950 | 75.95 | 6065 | 49.46 | 7270 | 41.27 | | |
| 4785 | 62.70 | 6075 | 49.38 | 7284 | 41.19 | | |

**Peshawar:** 10kW (G.C: 71.30E/34.00N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 2320 | 129.31 | 3965 | 75.67 | 5990 | 50.08 | 9600 | 31.25 |
| 3241 | 92.56 | 4910 | 61.10 | 6120 | 49.02 | | |
| 3935 | 76.24 | 4915 | 61.04 | 6140 | 48.86 | | |
| 3940 | 76.15 | 4980 | 60.25 | 7130 | 42.07 | | |

**Rawalpindi:** 10kW (G.C: 73.00E/33.30E).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 2460 | 122.00 | 4895 | 61.28 | 6120 | 49.02 | 9730 | 30.83 |
| 3259 | 92.53 | 6015 | 49.88 | 7110 | 42.19 | 9755 | 30.75 |
| 3945 | 76.05 | | | | | | |

**Quetta:** 10kW (G.C: 67.00E/30.15N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 3270 | 91.74 | 4915 | 61.04 | 5980 | 50.17 | 7140 | 42.02 |
| 3870 | 77.51 | 5965 | 50.29 | 5985 | 50.16 | 7200 | 41.67 |
| 3915 | 76.64 | 5970 | 50.25 | 7110 | 42.19 | 7220 | 41.55 |

**MEDIUM WAVE PROGRAMMES:**

**Karachi** (Urdu, English, Bengali): 01.30-03.30 (Sun 01.30-10.30), 06.00-10.30, 11.30-19.00. **Lahore** (Urdu, English, Punjabi): 01.30-03.30 (Sun 01.30-05.00), 06.00-08.30, 11.30-19.00. **Rawalpindi** (Urdu, English, Potohari): 01.30-03.30 (Sun 01.30-05.30), 06.00-08.30, 10.45-17.30. **Peshawar** (Urdu, English, Pushto): 01.30-03.30 (Sun 04.30), 06.00-08.30, 11.20-17.30. **Hyderabad** (Urdu, English, Sindhi): 01.30-03.30 (Sun 01.30-05.30), 06.00-08.30, 11.30-17.30. **Quetta** (Urdu, Baluchi, Pushto, English): 01.30-03.30 (Sun 01.30-04.30), 06.00-08.30, 11.30-17.30. **Dacca** (Bengali, Urdu, English): 01.00-03.00 (Sun, Fri 01.00-03.30), 06.00-09.00, 10.30-18.00. **Chittagong** (Bengali, Urdu, English): 01.00-03.00 (Sun 01.00-03.30), 06.00-09.00, 10.30-17.10. **Rajshahi** (Bengali, Urdu, English): 01.00-03.00 (Sun, Fri 01.00-03.30), 06.00-09.00, 11.00-17.10. **Sylhet** (Bengali, Urdu, English): Relays Dacca from 10.30-18.00.

**Abbreviations:** K=Karachi, L=Lahore, R=Rawalpindi, P=Peshawar, Q=Quetta, D=Dacca, H=Hyderabad, Ra=Rajshahi, C=Chittagong, S=Sylhet.

**NEWS: English (Nat):** 02.10-02.20, 15.00-15.15, K,H,L,R,P,Q,D,C, Ra (at 15.00-15.15 also S).

**Urdu (Nat):** 02.00-02.10, 06.05-06.10, 08.00-08.10, 12.00-12.10, 14.45-15.00, 17.05-17.10 K,H,L,R, P, Q, D,C, Ra (12.00-12.10, 14.45-15.00, 17.05-17.10 also S). **Urdu (Local):** 13.15-13.20 K, 14.05-14.10 H, 12.20-12.25 L, R, 12.30-12.35 P, 12.55-13.00 Q, D, S, 14.00-14.10 Ra, C.

**Bengali (Nat):** 01.45-02.00, 06.00-06.05, 08.10-08.20, 12.00-12.20, 17.00-17.05, K,H,L,R,P,Q,D,C, Ra (14.00-14.15 K,D,C,Ra,S). **Bengali (Local):** 13.50-13.55, **D,S,** 13.55-14.00, Ra,C, 14.00-14.05 Ra,C. **Pushto (Nat):** 02.50-03.00 K,P,Q, 08.20-08.30 P, 12.20- 12.30 P,Q. **Pushto (Local):** 00.30-00.35 Q, 13.45-13.55 P.

**Sindi:** 02.50, 12.20 (14.00 local) H — **Baluchi:** 03.00, 13.00 (13.10 local) Q,K — **Kashmiri** 12.35 K.

**SHORT WAVE PROGRAMMES:**

**Karachi to We. Pakistan:** 01.30-03.30 on 4980/6070kHz (Sun 03.45-05.00 on 9645/11885kHz), 06.00-11.30 on 9645/11855kHz, 12.00-12.30 on 9645/11875kHz, 13.00-13.10 on 7275/9645kHz, 14.15-15.45 on 7275/9755kHz, 17.00-17.10 on 7235/9645kHz.

| | | | |
|---|---|---|---|
| 01.30-01.45 | Rlg. Prgr. | 08.00-08.10 | N. in Urdu |
| 01.45-02.00 | N. in Bengali | 08.10-08.20 | N. in Bengali |
| 02.00-02.10 | N. in Urdu | 08.20-08.30 | N. in Pushto |
| 02.10-02.20 | **N. in English** | 08.30-10.30 | Comm. Sce. |
| 02.20-02.30 | Rlg. Prgr. | 12.00-12.10 | N. in Urdu |
| 02.30-02.35 | Nat. Prgr. | 12.10-12.20 | N. in Bengali |
| 02.50-03.00 | N. in Pushto | 12.20-12.30 | N. in Pushto |
| 03.00-03.10 | N. in Baluchi | 14.15-14.45 | National Hookup |
| 03.10-03.30 | Karachi Prgr. | 14.45-15.00 | N. in Urdu |
| 03.45-06.00 | Karachi Prgr (S) | 15.00-15.15 | **N. in English** |
| 06.00-06.05 | N. in Bengali | 15.15-15.20 | Comm. in Urdu |
| 06.05-06.10 | N. in Urdu | 15.20-15.45 | National Hookup |
| 06.10-07.00 | Karachi Prgr. | 17.00-17.05 | N. in Bengali |
| 07.00-08.00 | Comm. Sce. | 17.05-17.10 | N. in Urdu |

**Karachi to East Pakistan:** 01.30-03.30 on 15335/17835kHz (Sun 05.15-06.00 on 17770/21590kHz), 06.00-08.20 on 17770/21590kHz, 12.00-12.20 on 17800/21590kHz, 12.35-13.20 on 7240/9750kHz, 14.00-15.45 on 15325/17880kHz, 17.00-17.10 on 11850/15100kHz.

| | | | |
|---|---|---|---|
| 01.30-01.45 | Rlg. Prgr. | 08.10-08.20 | N. in Bengali |
| 01.45-02.00 | N. in Bengali | 12.00-12.10 | N. in Urdu |
| 02.00-02.10 | N. in Urdu | 12.10-12.20 | N. in Bengali |
| 02.10-02.20 | **N. in English** | 14.00-14.15 | N. in Bengali |
| 02.20-02.35 | Rlg. Prgr. | 14.15-14.45 | National Hookup |
| 02.35-03.30 | Karachi Prgr. | 14.45-15.00 | N. in Urdu |
| 04.15-07.00 | Karachi Prgr. (S) | 15.00-15.15 | **N. in English** |
| 06.00-06.05 | N. in Bengali | 15.15-15.20 | Comm. in Bengali |
| 06.05-06.10 | N. in Urdu | 15.20-15.45 | National Hookup |
| 06.10-07.00 | Karachi Prgr. | 17.00-17.05 | N. in Bengali |
| 07.00-08.00 | Comm. Sce. | 17.05-17.10 | N. in Urdu |
| 08.00-08.10 | N. in Urdu | | |

**ZONAL SERVICES:**

| Lahore: | kHz | Dacca to | | Peshawar | |
|---|---|---|---|---|---|
| 01.30-03.30 | 4885 | **We. Pakistan** | | 01.30-03.30 | 4980 |
| 06.00-08.30 | 7245 | 01.00-03.30 | 17760 | 06.00-08.30 | 7130 |
| 12.00-13.45 | 6160 | 07.00-09.00 | } | 11.30-14.00 | 6140 |
| 14.00-17.30 | 4885 | 11.00-13.30 | { 21685 | 14.15-17.30 | 4980 |
| **Dacca** | | 13.45-17.10 | 15410 | **Quetta** | |
| 01.00-03.00 | 5985 | | | 01.30-03.30 | 4915 |
| 06.00-09.00 | 9740 | | | 06.00-08.30 | 7220 |
| 10.30-13.00 | 9740 | **Rawalpindi** | | 11.30-13.45 | 5965 |
| 13.15-17.10 | 4890 | 10.45-11.45 | 6120 | 14.00-17.30 | 4915 |

**EXTERNAL SERVICE:**

I=So. East Asia; II=So. Ea. Africa; III=GOS (Far East); IV=Indonesia; V=Burmese; VI=Indian; VII=GOS (M. East); VIII=Afghan/Persian; IX=Iranian; X=Arabic; XI=Turkish; XII=UK.

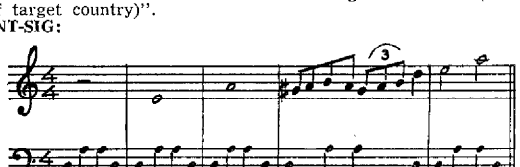
| Time | Sce. | kHz | Beams | Languages |
|---|---|---|---|---|
| 00.30-01.15 | I | 11885/15335 | 96° | **English** |
| 03.45-05.00 | II | 17745/21590 | 232° | * |
| 08.30-08.45 | III | 17855/21590 | 96°/120° | **English** |
| 08.45-09.30 | IV | 17855/21590 | 96°/120° | Indonesian/**English** |
| 09.45-10.30 | V | 17855/21590 | 96° | Burmese |
| 10.45-11.45 | VI | 11745/15315 | 96°/120° | ** |
| 13.35-13.50 | VII | 11875/15405 | 290°/312° | **English** |
| | VII | 17945/21590 | 300°/317° | **English** |
| 16.00-16.45 | VIII | 7130/9750 | 20°/312° | *** |
| | IX | 7275/9645 | 300°/22° | Persian |
| 17.30-18.30 | X | 11875/17760 | 300° | Arabic |
| 18.45-19.30 | XI | 11965/15370 | 317° | **English**/Turkish |
| 19.45-20.30 | XII | 11830/15240 | 317° | **English** |

*=Urdu, Gujrati, **English**, Swahili; **Hindustani, **English**, Tamil; ***=Afghan, Persian, Turki.

**N. in English:** 00.45, 04.30, 08.30, 09.00, 11.15, 13.35, 19.00, 20.00.

**ANN:** E: "This is Radio Pakistan calling listeners in (name of target country)".

**INT-SIG:**




**V:** by QSL-card — **PUB:** monthly "Pakistan Calling" in English, Urdu, Bengali (fortnightly). Monthly in Arabic, Persian, Burmese.

## PHILIPPINES

**L.T:** GMT+8 h — **Pr.L:** English, Tagalog, Ilocano, Visayan. **RADIO CONTROL OFFICE**, Dept. of Public Work and Communications, Manila. **L.P:** Dir: B. C. David.

**Stations: Educ. and Gov:** 3), 6), 8), 31). **Rlg:** 1), 4). Other st's priv. comm. 2) is Gov. owned, but broadc. comm. prgr's.

**STATIONS:** Location Manila exc. where indicated — inactive.

| | Call | kHz | m | kW | Name & h of tr. |
|---|---|---|---|---|---|
| 1) | DYB4 | *3277 | 91.55 | 0.3 | Nat. Council of Churches Broadc. Netw. Dumaguete City |
| 2) | DUB4 | 3286 | 91.29 | 2.5 | Philippine Broadc. Sce: 21.00-15.00 |
| 3) | DZCA | 3305 | 90.77 | 1 | Nat. Civil Defense Adm: 08.00-11.00 |
| 4) | DZB2 | 3345 | 89.68 | 1 | Far East Broadc. Co: 21.00-15.00 |
| 5) | DXB3 | 3945 | 76.05 | 0.5 | Notre Dame Broadc. Corp, Cotabato City: 22.00-14.00 |
| 6) | DZB6 | 4945 | 60.67 | 0.5 | Nat. Teachers College: W 09.30-11.00, Sun 01.00-03.00 |
| 3) | DZCA | 5970 | 50.25 | 1 | Nat. Civil Defense Adm: 08.00-11.00 |
| 4) | DZH6 | 6030 | 49.75 | 2 | Far East Broadc. Co: 21.00-17.30 |
| 1) | DYH4 | 6055 | 49.55 | 0.25 | Nat. Council of Churches Broadc. Netw, Dumaguete City: 21.00-14.00 |
| 7) | DZI7 | 6080 | 49.34 | 0.25 | Voice of Manila: 21.00-16.00 |
| 4) | DZF4 | 6120 | 49.02 | 50 | Far East Broadc. Co: 21.45-22.45 |
| 2) | DUH2 | 6170 | 48.62 | ** | Philipp. Broadc. Sce: 21.00-15.00 |
| 8) | DUH9 | 7160 | 41.90 | 1 | Univ. of the Philippines, Quezon City: 09.00-13.00 |
| 4) | DZI9 | 7225 | 41.52 | 3 | Far East Broadc. Co: 21.45-23.25, 13.30-17.30 |
| 9) | DXH2 | 7280 | 41.21 | 0.5 | Mindanao Broadc. System, Davao City: 23.00-08.00 |
| 4) | DZH7 | 9505 | 31.56 | 50 | Far East Broadc. Co: 22.00-23.45 |
| 1) | DZU5 | 9630 | 31.15 | 50 | SEARV, Manila |
| 10) | DZH5 | 9690 | 30.96 | 0.25 | R. Veritas, Manila: 21.00-04.00, 09.00-15.00 |
| 4) | DZF5 | 9715 | 30.89 | 10/2 | Far East Broadc. Co: 21.45-23.25, 11.45-17.15 |
| 4) | DZF6 | 11740 | 25.55 | 2 | Far East Broadc. Co: 21.45-23.30, 00.00-01.00 |
| 4) | DZH8 | 11855 | 25.31 | 50 | Far East Broadc. Co: 22.45-23.25, 09.00 (Sun 08.30)-12.45 |
| 1) | DZU6 | 11875 | 25.26 | 50 | SEARV, Manila |
| 4) | DZE9 | 11890 | 25.23 | 2/50 | Far East Broadc. Co: 08.30-17.00 |
| 4) | DZF2 | 11920 | 25.17 | 50 | Far East Broadc. Co: 10.30-17.15 |
| 4) | DZF7 | 15235 | 19.69 | 50 | Far East Broadc. Co: 12.45-17.30 |
| 4) | DZH9 | 15300 | 19.60 | 2/10/50 | Far East Broadc. Co: 23.30-00.30, 03.00-06.00 (Sun), 08.30-16.15 |
| 4) | DZF3 | 15385 | 19.50 | 2/50 | Far East Broadc. Co: 22.00-00.30 |
| 1) | DZU7 | 15420 | 19.46 | 50 | SEARV, Manila: 23.30-00.30, 11.00-13.00 |
| 4) | DZF8 | 15440 | 19.43 | 50/3 | Far East Broadc. Co: 00.30-03.00, (03.00-04.00 Sun), 08.30-12.45 |
| 1) | DZU8 | 17715 | 16.93 | 50 | SEARV, Manila: 00.30-01.30 |
| 4) | DZI6 | 17810 | 16.84 | 10/2 | Far East Broadc. Co: 22.00-23.30, 00.00-05.30, 05.30-06.30 (Sun), 08.30-12.00 |
| 1) | DZU9 | 21470 | 13.97 | 5 | SEARV, Manila |

**) 7.5/10/50kW.

**Medium Waves:** °=also on Short Wave.

| | Call | kHz | kW | | Call | kHz | kW | | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11) | DZXR | 530 | 0.5 | 9) | DXMC | °740 | 5 | 27) | DZRC | 890 | 1 |
| 12) | DZYZ | 540 | 1 | 26) | DXBM | 740 | 1 | 15) | DZXX | 890 | 1 |
| 3) | DZCA | 550 | 1 | 27) | DZCV | 740 | 1 | 9) | DXUM | 900 | 1 |
| 13) | DZCI | 560 | 1 | 27) | DXGS | 740 | 1 | 32) | DZAD | 900 | 1 |
| 14) | DYCB | 570 | 10 | 22) | DYCU | 750 | 1 | 16) | DYHP | 900 | 1 |
| 15) | DZBB | 580 | 10 | 14) | DZRB | 750 | 5 | 22) | DXLI | 910 | 1 |
| 16) | DXDC | 590 | 1 | 7b) | DZMB | °760 | 5 | 21) | DYHF | 910 | 1 |
| 17) | DZAX | 600 | 0.5 | 12) | DXRI | 760 | 1 | 9) | DXMX | 910 | 1 |
| 18) | DZVV | 600 | 1 | 28) | DZJC | 770 | 1 | 33) | DXMT | 930 | 10 |
| 12) | DXYZ | 610 | 1 | 9) | DXMZ | 770 | 1 | 33) | DZTD | 940 | 5 |
| 14) | DZAQ | 620 | 50 | 29) | DYPR | 770 | 1 | 1) | DYCR | °940 | 1 |
| 17) | DZRL | 630 | 1 | 30) | DYRR | 770 | 1 | 9) | DXRZ | 950 | 1 |
| 19) | DYAG | 630 | 5 | 32) | DZAA | 780 | 1 | 9) | DXMO | 950 | 1 |
| 16) | DXBC | 630 | 1 | 16) | DXCC | 780 | 10 | 22) | DZXL | 960 | 50 |
| 14) | DXAW | 640 | 10 | 7e) | DYVL | 790 | 1 | 7f) | DYMB | 970 | 1 |
| 7a) | DZRH | °650 | 10 | 31) | DZAB | 790 | 1.5 | 11) | DZXM | 980 | 0.5 |
| 20) | DZXT | 660 | 1 | 32) | DZXE | 790 | 1 | 12) | DXRB | 980 | 1 |
| 21) | DYBC | 660 | 1 | 27) | DZPI | 800 | 5 | 19) | DXGE | 980 | 0.5 |
| 11) | DZYB | 670 | 1 | 18) | DYFN | 800 | 5 | 34) | DXWB | 990 | 0.5 |
| 22) | DYPL | 670 | 1 | 9) | DXMN | 810 | 1 | 29) | DYRP | 990 | 1 |
| 4) | DZAS | °680 | 10 | 12) | DZSP | 810 | 1 | 14) | DZMM | 1000 | 10 |
| 23) | DXJM | 680 | 1 | 9) | DXMI | 810 | 1 | 30) | DXXU | 1000 | 10 |
| 14) | DZXN | 690 | 1 | 9) | DXMM | 810 | 1 | 22) | DXJW | 1010 | 5 |
| 23) | DXLM | 690 | 0.5 | 7c) | DYBU | 820 | 1 | 30) | DZSJ | 1010 | 1 |
| 17) | DXDX | 690 | 1 | 7f) | DZOL | 830 | 5 | 35) | DZFA | 1010 | 1 |
| 17) | DZTG | 690 | 1 | 1) | DYSR | °840 | 10 | 18) | DZWX | 1020 | 1 |
| 18) | DZLU | 700 | 1 | 7d) | DZGE | 850 | 5 | 4) | DZFE | °1030 | 1 |
| 2) | DZFM | °710 | 10 | 9) | DXMU | 850 | 1 | 7h) | DYMS | 1040 | 1 |
| 16) | DXIC | 720 | 1 | 10) | DZRV | °860 | 50 | 14) | DZRI | 1040 | 1 |
| 12) | DZYI | 720 | 1 | 21) | DYOG | 860 | 1 | 18) | DZNC | 1040 | 5 |
| 24) | DZGB | 720 | 1 | 22) | DYQL | 870 | 1 | 21) | DXLL | 1050 | 2.5 |
| 25) | DYBR | 730 | 1 | 16) | DXVM | 870 | 1 | 36) | DYSA | 1050 | 1 |
| 14) | DZRD | 730 | 1 | 44) | DZBT | 870 | 1 | 4) | DXKI | 1060 | 1 |
| 5) | DXND | °730 | 1 | 5) | DXMS | °880 | 5 | 18) | DZVR | 1060 | 5 |
| 33) | DZWS | 1070 | 10 | 40) | DZLB | 12100 | | 11) | DZXQ | 1360 | 0.5 |
| 21) | DYWK | 1070 | 1 | 41) | DYRV | 1220 | 1 | 47) | DZRA | 1360 | 1 |
| 37) | DXVA | 1080 | 1 | 2) | DXSM | 1220 | 1 | 17) | DZBS | 1370 | 1 |
| 38) | DYMX | 1080 | 1 | 31) | DZSA | 1230 | 1 | 48) | DYVR | 1370 | 2.5 |
| 9) | DXCM | 1090 | 1 | 42) | DZAL | 1230 | 1 | 33) | DZTM | 1380 | 10 |
| 18) | DYVP | 1090 | 1 | 43) | DZLT | 1240 | 5 | 49) | DXRM | 1390 | 1 |
| 33) | DZMT | 1100 | 10 | 44) | DYVM | 1260 | 5 | 22) | DYXL | 1400 | 5 |
| 9) | DXRC | 1110 | 1 | 21) | DYRL | 1280 | 5 | 8) | DZUP | °1410 | 5 |
| 29) | DYRM | 1120 | 1 | 17) | DZBJ | 1280 | 5 | 2) | DYMR | 1410 | 5 |
| 27) | DZXT | 1120 | 1 | 27) | DZEB | 1290 | 1 | 26) | DZLM | 1430 | 1 |
| 21) | DYOR | 1130 | 1 | 11) | DZYQ | 1290 | 1 | 15) | DYOO | 1440 | 1 |
| 16) | DZHP | 1130 | 10 | 39) | DZNN | 1300 | 0.5 | 50) | DZBU | 1460 | 10 |
| 29) | DYRD | 1150 | 1 | 2) | DXSQ | 1300 | 1 | 31) | DZJS | 1480 | 1.5 |
| 20) | DZMY | 1160 | 1 | 15) | DZFF | 1310 | 1 | 21) | DYKR | 1480 | 1 |
| 9) | DXMV | °1160 | 1 | 21) | DYML | 1310 | 1 | 27) | DOXC | 1490 | 1 |
| 21) | DYLL | 1170 | 1 | 21) | DYRX | 1320 | 1 | 2) | DZCP | 1500 | 2.5 |
| 39) | DZWJ | 1170 | 5 | 45) | DYDB | 1330 | 1 | 2) | DZEQ | 1510 | 1 |
| 14) | DXLD | 1180 | 1 | 46) | DZYG | 1330 | 1 | 15) | DYBB | 1520 | 1 |
| 39) | DZSE | 1180 | 1 | 14) | DZBC | 1340 | 5 | 51) | DYAV | 1550 | 0.5 |
| 2) | DZRM | 1190 | 5 | 11) | DZYR | 1350 | 1 | 52) | DZFU | 1580 | 0.5 |
| 29) | DYRH | 1200 | 1 | 11) | DZYS | 1350 | 2 | 53) | DYDR | 1590 | 1 |
| 2) | DZMQ | 1210 | 1 | 2) | DXRP | 1350 | 1 | 1) | DZCH | 1600 | 10 |

**Short Waves:**

1) **National Council of Churches Broadcasting Network.**
**Addr:** DYSR, Dumaguete City; DZCH (Head Office of Network), P.O. Box 4148, Manila. **L.P:** Dir. Gen: J. William Matthews (Assoc. Dir. for Radio & TV, Mass Media Commission), St. Mgr. & Dir. Tec: (DYSR/DYCR): B. Magdamo. Ag. Mgr. (DZCA): W. Matthews. **D. Prgr:** On DYSR/DYH4: 21.00-14.00. **N. in English:** 22.45, 04.15, 12.00. **N. in Visayan:** 22.00, 10.00; On DZCH: 21.00-14.00.
**Ann:** "This is the N.C.C.B.N, the National Council of Churches Broadc. Network. You are listening to DYSR & DYH4 in Dumaguete (or DZCH & DZCH-FM) in Manila". **V.** by letter & prgr. schedule. Recordings accepted.

I) **South East Asia Radio Voice (SEARV) (Rlg).**
**Addr.** P.O. Box 4148, Manila. **Cable:** Interchurch. **Studios:** 10 Salemba, Djakarta IV/3, Indonesia; 82nd Street, Mandalay, Burma; 14 Pramuan, Bangkok, Thailand; 191 Prince Edward Road, Kowloon, Hongkong; 116, Sec. 1, Taichung-Kong Rd, Taichung, Tajwan. **L.P:** Exec. Dir: C. Bernardez. Dir's: S. Lader (Burma), Aswandi (Indonesia), Poopradandh (Thailand), T. W. Lung (Hongkong).
**Stations:** Manila: see above.
**D.Prgr's:** 23.30-01.30, 11.00-13.00 in Thai & Burmese. **V.** by QSL-card. Reports to be sent tc C. Bernardez, SEARV, P.O. Box 4148, Manila. Recordings accepted. **Fi:** Operations are underwritten by Protestant Churches in Europe and America and by special gifts from the churches of the National Councils in the participating Asian Countries.
2) GSIS Bldg, Manila 10401. **Te:** 3-24-15. **Cable:** Philcast. **L.P:** Gen. Mgr: F. Trinidad. Sr. Exec. Asst: P. Prado. Prod. Mgr: J. Dy. Cheif Eng: L. Quintos. **D.Prgr:** 21.00-15.00. **N:** 21.00 (Filipino), 23.30 (E), 00.00 (Filipino), 00.30 (E), 02.30 (E), 03.00 Chinese), 04.00 (E), 04.05 (Filipino), 05.00 (E), 08.05 (Filipino), 09.00 (E), 10.05 (Filipino), 10.30 (E), 15.00.
**Relay St's:** 1210kHz Dagupan City; 1220kHz Jolo; 1300kHz Marawi City; 1350kHz Davao City; 1410kHz Cebu City; 1510kHz Baguio City. **Ann:** "This is PBS, the Philippine Broadc. Sce. Netw. (followed by call-letters and freq. in kHz). **V.** by letter. Rp. preferred. Recordings appreciated. **Pub:** prgr. schedule free.

3) Independence Grandstand. Luneta, Manila. **Ann:** "You are listening to st. DZCA owned and operated by the National Civil Defense Adm. of the Philippines". **V.** by letter. Re. in E.

4) **FAR EAST BROADCASTING COMPANY.**
**Addr:** Box 2041, Manila. **Te:** 2-1057. **Cable:** Febcom — **L.P:** Dir: R. A. Reynolds. Dir. Overseas Prgr's: R. H. Boettcher.
**PHILLIPPINE SERVICE:** 20.55-15.00 on 680/3345/6030kHz; 21.00 Philippine dialects, 21.45 **English,** 22.30 Tagalog, 23.00 **English,** 01.15 Tagalog, 02.40 **English,** 04.30 Chinese, 05.30 **English,** 09.00 Tagalog & Philippines dialect, 11.00-15.00 **English.**
**Manila's Fine Music Station:** 21.55-15.00 on 1030kHz (all English). Shortwave: 09.00-11.30 on 15440/17810kHz, 13.30-14.30 with 680kHz (stereophonic broadc. & news).
**Southern Philippine St. DXKI, Marbel, Cotabato:** 21.30-23.30 **English,** 08.00-09.00 Phil. dialects, 09.00-10.30 Tagalog, 10.30-11.30 Phil. dialects, 11.30-13.00 **English.**
**OVERSEAS SERVICE:**
G.C: of the sw-tr's: Valenzuela: 120.58E/14.42N.
Bocaue 120.55E/14.48N.
***Abbreviations:*** I=China; II=Malaysia/Indonesia; III=Australia/NZ/New Guinea; IV=Japan; V=Thailand/Laos/Cambodia/Vietnam; VI=India/Pakistan/Ceylon; VII=USSR; VIII=Near East/No. Africa — a) English; b) Mandarin/Amoy; c) Indonesian; d) Thai/Lao/Burmese; e) Sinhalese; f) Tamil/Telugu/Malavalam/Marathi/Kannada; g) Gujerati/Bengali/Malayalam/Hindi/Tibetan/Nepali; h) Mandarin; i) Russian; j)Amoy/Can-

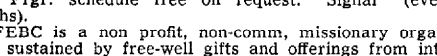
tonese; k) Malay; m) Lao/French/Cambodian; n) Mandarin/Cantonese; o) Japanese; p) Thai; q) French; r) Russian; s) Vietnamese.

| H. of tr. | Areas | kHz/Beams | L |
|---|---|---|---|
| 21.45-23.25 | I | 6120 (330°), 7225 (330°) | b |
| | | 9715 (330°), 11855 (150°/330°) | b |
| 21.45-23.25 | II | 11740 (230°) | b |
| 22.00-23.30 | III/II/IV | 15385 (30°/210°), 17810 (15°/330°) | English |
| 22.00-22.30 | II | 9505 (30°/210°) | c |
| 22.30-23.45 | V | 9505 (280°) | s+m |
| 23.00-23.30 | II | 15375 (30°/210°) | c |
| 23.30-00.30 | II/V | 15375 (30°/210°), 15385 (280°) | English |
| 23.30-23.45 | V/VI | 15300 (280°) | English |
| 23.45-00.30 | V | 15300 (280°) | d |
| 23.45-00.30 | I/III | 21515 (150°/330°) | n |
| 00.00-01.00 | II/V | 11740 (280°), 17810 (240°) | English |
| 00.30-01.00 | II | 21515 (240°) | n |
| 00.30-01.00 | V | 15375 (30°/210°) | d |
| 00.30-01.00 | VI | 15440 (280°) | e |
| 01.00-03.00 | VI | 15440 (280°) | g |
| 01.00-05.30 | V/VI | 17810 (280°), 21515 (240°) | English |
| 03.00-04.00**III | | 15440 (280°) | English |
| 03.00-06.00**II | | 15300 (240°) | d |
| 05.30-06.00**II/V/VI | | 17810 (280°), 21515 (240°) | English |
| 08.30-09.00 | IV/V | 11890/15440 (280°) | English |
| | | 15300/17810 (240°) | English |
| 08.30-09.00**III | | 11855 (150°/330°) | English |
| 09.00-11.30 | II/V | 15440 (280°), 17810 (240°) | English |
| 09.00-10.00 | III/VII | 11855 (150°/33°) | English |
| 09.00-10.30 | I/II/V | 11890 (280°), 15300 (240°) | b |
| 10.00-10.30 | III/VII | 11855 (150°/330°) | Russian |
| 10.30-11.30 | I/II/V | 11855/11890 (280°), 15300 (240°) | j |
| 10.30-11.45 | IV | 11920 (30°/210°) | o |
| 11.30-12.45 | V | 11855 (280°) | d |
| 11.30-12.00 | II/V | 15300 (240°), 15440 (280°), 17810 (240°) | English |
| 11.45-13.45 | V | 9715/11890 (280°) | s+m |
| 11.45-12.45 | II/IV/V | 11920 (30°/210°), 15300 (240°) | English |
| 12.45-13.30 | II | 15300 (240°) | English |
| 12.45-14.00 | II | 11920 (30°/210°) | k+c |
| 12.45-14.00 | V/VI | 15235 (280°) | English |
| 13.30-16.15 | I | 6030 (nd), 7225/9715 (330°) | |
| | | 11890 (280°), 15300 (240°) | n |
| 14.00-15.30 | V/VI | 15235 (280°) | f |
| 14.00-16.45 | II | 11920 (30°/210°) | b |
| 15.30-16.30 | V/VI | 15235 (280°) | a |
| 16.15-17.30 | VII | 6030 (nd), 7225 (330°) | |
| | | 11850 (330°), 15415 (330°) | Russian |
| 17.35-18.00 | VIII | 11850 (330°), 15415 (330°) | Arabic |

** Sun only.

**Short Wave Mbg:** Mon 09.15 on 11855kHz (for III), Mon 12.00 on 11920kHz (for II/IV), Wed 13.30 on 15235kHz (for V/VI) — **Listeners Corner:** Prgr. preview, tr-changes, Magazine prgr: Mon-Fri 23.45-24.00 on 15375/15385kHz (for II/V/VI).

**ANN:** "This is the English Sce. of the FEBC transmitting from the Philippines (quarterly). This is the English Sce. of the FEBC operating in the (metre bands)" (halfhourly). This is Manila calling. The English Sce. of the FEBC operating at (give freq's). The time is.." (hourly). **Int-Sig:** Part of hymn "Jesus Saves" played on vibraharp (bells).



**V.** by QSL-card and letter. Rp. preferred (3 IRCs for Air-mail) - **Pub:** Prgr. schedule free on request. "Signal" (every two months).

Fi: FEBC is a non profit, non-comm, missionary organisation being sustained by free-well gifts and offerings from interested friends.

5) Cotabato City, Cotabato.

6) National Teachers College, P.O. Box 3032, Manila. **Ann:** E: "This is the Voice of Education". **V.** by letter.

7) **MANILA BROADCASTING COMPANY — Addr:** Radio Center, 964 Taft Avenue, Manila. **Te:** 36451. **Cable:** "Manbroadco" **L.P:** Gen. Mgr: Ira Davis — a) **Metropolitan Broadc. Co,** Manila — b) **The Voice of Manila. D. Prgr:** 21.00-16.00 — c) **Cebu Broadcasting Company:** ("Voice of Cebu" & "Radio Cebu"). **Addr:** Lim Bon Fing Bldg, Cebu City. **D.Prgr:** 21.00-15.00 — d) **Voice of Naga,** Naga City — e) **The Voice of Leyte. Addr:** Tacloban, Leyte — f) **Metropolitan Broadc. Co,** Cebu City — h) **MBC,** Palo, Leyte. **V.** all st's verify by QSL-card. Rp.

8) Dept. of Speech and Drama. Univ. of the Philippines, Diliman, Quezon City. **Ann:** "You are listening to DZUP, the R. st. of the State Univ. broadc. from Diliman, Quezon City, 1410kHz on your radio dial, 7.16MHz in the sw-band". **Int-Sig:** electric chimes E-C (mido). **V.** by QSL-card or letter.

9) 3rd Floor, DBP Bldg, C.M. Recto St, Davao City. **Te:** 252. **L.P:** Dir. Gen: G. E. Torres. **Home Sce:** DXMC (Davao), DXMZ (Rajah Buayan), DXMW (Surigao) 21.00-15.00; DXMI (Iligan), DXMM (Davao), DXMU (Cotabato), DXUM (Davao) 21.00-16.00; DXMX/DXRZ (Zamboanga), DXMO/DXMN (Cagayan de Oro), DXCM (Cotabato), DXRC (Cagayan de Oro) 21.00-16.00; DXMV (Cotabato): 21.00-15.00. **INT-SIG:** DXMC; A gong (musical instrument used by Moros, natives of Mindanao). **V.** by letter.

10) Philippine R. Educational & Information Center, P.O. Box 132, Manila. **Te:** 4-18-67. **L.P:** Pres: H. B. Reyes. Gen. Mgr: Rev. R. J. Guillermo. Dir. Prgr: J. Roux. Dir. Tec: J. O. Nicolas. **D. Prgr:** 21.00-04.00, 09.00-15.00. **N:** 10.15, 12.00. **Ann:** "DZRV Calling; This is R. Veritas broadc. from Manila on 860kHz & 9690kHz". **V.** by QSL-card and letter. Recordings accepted. **PUB:** "Truth in Asia" (quarterly). **F.PL:** Foreign Sce. from 2 x 100kW sw-tr's to start early 1968 for South & South East Asia.

**Medium Waves: D.Prgr:** 21.00-16.00 exc. where indicated.

11) **Mabuhay Broadc. System,** 1000 C.M. Recto Ave, Manila. **L.P:** Gen. Mgr: Q. A. de Guzman. Dir. Tec: J. Carpio. **D. Prgr.** 22.00-15.00 (in English, Tagalog, Ilocano) (DZXR, DZXM, DZXQ Manila, DZYR San Fernando, DZYS Santiago, DZYQ Batangas).

12) **Nation Broadc. Corpo,** 306 Sampaguita Bldg, Quezon City. **D.Prgr:** 21.00-15.00 (DZYZ Olongapo, DXRB/DXYZ Zamboanga, DZYI & DXRI Iligan, DZSP San Pablo).

13) **P. B. Araulle,** Cabanatuan City (belongs to 12).

14) **Bolinao Electronics Corpo,** CBN Bldg, Aduana Str, Manila (DYCB Pardo, DZAQ/DZMM/DZBC Meycauayan, DXAW Matina, DZXN/DZRB Canaman, DZRD/DZRI Dagupan, DXLD Catabato).

15) **Republic Broadc. System,** Diliman, Quezon City. **D.Prgr:** 20.00-18.00 (DZBB/DXZZ/DZFF Quezon City, DYOO Iloilo, DYBB Cebu).

16) **R. Mindanao Netw. Inc,** Philippine Herald Bldg, Manila. **L.P:** Gen. Mgr: H. R. Canoy. Dir. Tec: F. Ordoña. **D.Prgr:** DZHP 24 h; other st's 21.00-16.00 (in English, Spanish, Tagalog, Visayan). **V.** by letter. Recordings accepted. (DXDC Davao, DXBC Butuan, DXIC Iligan, DXCC/DXVM Cagayan de Oro, DYHP Cebu, DZHP "The Sound of the City", Manila).

17) **R. Philippines Netw, Inc,** 1195 Florida St, Manila (DZRL Laoag, DXDX Rajah Buayan, DXTG Tuguegarao, DZBJ Manila, DZBS Baguio).

18) **Northern Broadc. Netw. Inc,** 105 N. Domingo St, San Juan, Rizal (DZVV Vigan, DZLU San Fernando, DYFN Iloilo, DZWX Baguio, DZNC Naga, DZVR Laoag, DYVP Masbate, DZYE Daet).

19) **Liberty Broadc. Netw. Inc,** Mocerse Bldg, Port Area, Manila (DYAG Cadiz, DXEG Davao).

20) **Monserrat Broadc. System,** CBN Bldg, Intramuros, Manila. **D.Prgr:** 21.00-15.00 (DZXT Laoag, DZMY Manila)

21) **Visayan Broadc. System,** 9 Manikling St, Quezon City (DYBC Cebu, DYOG Cuta, DYHF/DYRL Iloilo, DXLL Zamboanga, DYWX Bacolod, DYOR Ormoc, DYLL Tacloban, DYML Tagbilaran, DYRX Roxas, DYKR Kalibo).

22) **Chronicle Broadc. Netw,** CBN Bldg, Manila. **D.Prgr:** 21.00-15.00. (DYPL Iloilo, DYCU Pardo, DYXL/DYQL Bacalod, DXLI Iligan, DXJW Zamboanga, DXZL Manila).

23) **Pacific Broadc. Netw. Inc,** Rm 412, Quisumbing Bldg, Manila, (DXJM=Butuan City).

24) **Legaspi Broadc. System,** Legaspi City.

25) **East Visayan Network,** Tacloban City.

26) **Mareco, Inc,** 131 Del Monte Ave, Quezon City.

27) **Filipinas Broadc. Netw. Inc,** 5th Floor, Oledan Bldg, Makati, Rizal. **L.P:** Pres. & Gen. Mgr: E. B. Cea. **D. Prgr:** 21.00-16.00 (St's: DZCV Tuguegarao, DZXT Tarlac, DZRC/DZEB Naga City, DXOC Oramiz City, DXGS General Santos). **V.** Reports not wanted.

28) **R. Station DZJC,** Laog City (belongs to 19).

29) **Allied Broadc. Center,** 298 Capipin St, Makati, Rizal (DYPR Puerto Princesa, DYRP Iloilo, DYRM Dumaguete, DYRD Tagbilaran, DYRH Bacolod).

30) **R. Henry Canoy,** Philippine Herald Bldg, Manila. (DYRR Ormoc, DXXU Cagayan de Oro, DZSJ San José).

31) **Delta Broadc. System,** 4th Floor, Rep. Supermarket Bldg, F. Torres St, Manila. **L.P:** Gen. Mgr: R. M. Santos. Dir. Tec: H. Baldo. **D.Prgr:** 21.00-16.00 (in English, Chinese, Philipino, Hindi, Spanish). **V.** by letter. **F.Pl.** Increase power to 5 or 10kW: A netw. of 24 st's. (DZAB Angeles, DSZA Manila, DZJS Pasig).

32) **Pacific Broadc. System. Inc,** 964 Taft Ave, Manila (DZAA Legaspi, DZXE Vigan, DZAD Legaspi City).

33) **Associated Broadc. Corpo,** ABC Bldg, Florentino Torres, Manila. **Cable:** ABC Mantimes. **Te:** 37301. **L.P:** Gen. Mgr: M. C. Roces. Dir. Tec: (Chief Eng.) R. Raymundo. Traffic Mgr: J. C. Bunao. **D. Prgr:** DZMT 21.00-16.00: other st's 22.00-16.00 (DZWS/DZMT/DZTM Manila; DXMT Davao City; DZDT Dagupan City). DZMT+DZWS in English; other st's in English & Filipino.

34) **R. St. DXWB,** Baguio City.
35) **Bayanihan Broadc. Center,** Sorgoson. **L.P:** Gen. Mgr: H. Baldo. **D.Prgr. in English, Filipino, Bicol:** 21.00-14.00.
36) **University of San Augustin,** Iloilo City. **L.P:** St. Mgr: E. P. Campos. Dir. Tec: R. D. Garcia. **D.Prgr. in English, Spanish, Filipino, Hiligaynon, Chinese:** 22.00-14.00. **Int-Sig :** Spanish Dance by E. Granados. **V.** by letter. Recordings accepted. **F.Pl:** 10kW + closed circuit TV for instructional purposes.
37) **Agusan Broadc. System, Inc,** Butuan City.
38) **R. St. DYMX,** 350 Kinasangan St, Cebu City.
39) **Freedom Broadc. System,** 364 Cuenca St, Makati, Rizal (DZWJ Lucena, DZSE Sorgoson, DZNN Makati, Rizal).
40) **University of the Philippines,** Quezon City.
41) **R. Communications of the Philippines Inc,** Plaza Sta. Cruz, Manila. **D.Prgr. in English, Cebuano, Visayan:** 21.30-14.00. **V.** by letter. Recordings accepted. Rp.
42) **R. St. DZAL,** Legaspi City.
43) **Luzonian Broadc. Co,** Lucena, Quezon City.
44) **Central Philippine Broadc. Co,** Cebu City.
45) **R. St. DYDB,** Danao City.
46) **Vanguard R. Netw. Inc,** 1239 A. Mabini, Cabanatuan.
47) **Voice of Cataduances,** Virac, Cataduances. **L.P:** St. Mgr: M.P. Ogayon. Dir. Tec: D. G. Cruz Jr. **D.Prgr. in Bicol, Tagalog, English:** 21.00-16.00. **V.** by letter. Recordings accepted.
48) **Panay Broadc. Corpo,** Roxas City. **L.P:** St. Mgr: T. A. Yotoko. **D.Prgr. in English & Ilongo:** 21.00-15.00. **V.** by QSL-card. Recordings accepted. Rp. preferred.
49) **R. St. DXRM,** Marawi City.
50) **Manila Daily Bulletin,** Shurdut Bldg, Manila.
51) **Abellana National School,** Cebu City. **L.P:** St. Mgr: P. Jayme. **D.Prgr. in English, Filipino:** 01.00-03.00 & 06.00-08.00. **V.** by letter. Recordings accepted. **F.Pl:** Increase power and to operate on 1490kHz.
52) **Feati University,** Helios St, Sta. Cruz, Manila. **Te:** 45951. **L.P:** St. Mgr: Mrs. M. L. A. Santiago. Dir. Tec: F. C. Maliwanag. **D.Prgr:** 01.00-14.30 (in Tagalog & English). **V.** by letter. Recordings accepted. Rp.
53) **Central Broadc. Inc.** Colon St, Cebu City.

**VOICE OF AMERICA RADIO STATION PHILIPPINES**
**ADDR:** Voice of America, Washington, D.C: 20547 USA.
**STATIONS: Medium Waves:** Malolos A: 920kHz 326m 50kW: 21.00-16.30 — Poro A: 1140kHz 263m 1000kW: 11.30-16.30.
**Short Wave:** Malolos 50kW: 21.00-03.30, 04.00-16.30

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 6170 | 48.62 | 11790 | 25.45 | 15375 | 19.51 | 17850 | 16.80 |
| 9615 | 31.20 | 15175 | 19.77 | 15410 | 19.47 | 21630 | 13.87 |
| 11715 | 25.61 | | | | | | |

Poro: 35/50/100kW: 22.00-02.45, 05.00-16.30

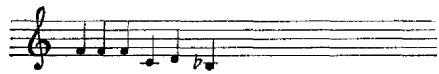
| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 7135 | 42.05 | 11730 | 25.58 | 15165 | 19.78 | 17735 | 16.92 |
| 7275 | 41.24 | 11775 | 25.48 | 15175 | 19.77 | 17750 | 16.90 |
| 9530 | 31.48 | 11805 | 25.41 | 15210 | 19.72 | 17765 | 16.89 |
| 9545 | 31.43 | 11875 | 25.26 | 15250 | 19.67 | 17825 | 16.83 |
| 9555 | 31.40 | 11930 | 25.15 | 15290 | 19.62 | 17830 | 16.83 |
| 9560 | 31.48 | 11965 | 25.07 | 15345 | 19.55 | 21570 | 13.91 |
| 9655 | 31.07 | 15155 | 19.80 | 15410 | 19.47 | | |

(G.C: Poro: 120.17 E/16.37 N; Malolos 120.48 E/14.52 N).
**D.PRGR: Medium Wave** 1140kHz: 11.30-12.00 Thai, 12.00-14.00 Vietnamese, 14.00-14.30 Thai, 14.30-15.30 Indonesian, 15.30-16.30 Chinese — **Short Wave:** See USA — **ANN:** "You are listening to the Voice of America from the Philippines" — **INT-SIG:** Variations of "Columbia, the Gem of the Ocean" — **V.** by QSL-card.
**ARMED FORCES RADIO & TV SCE: see USA**

## RYUKYU ISLANDS

**L.T:** GMT+9 h — **Pr.L:** Japanese, Okinawan, English.
**RYUKYUS BROADCASTING CORPORATION (Comm.)**
**ADDR:** CPO Box 4, Naha, Okinawa. **Te:** 8-4161 — **L.P:** Pres: S. Zayasu, Man. Dir: S. Toma. Exec. Chief Eng: S. Yamazato. Exec. Dir. of N: K. Kabira. Exec. Dir. Adm: T. Sakai.
**HOME SCE:** KSAR 740kHz 5kW: 20.00-16.00 Japanese — KSBK 880kHz 3kW: 20.00-16.00 English — **N:** Every h on the h — **ANN:** KSAR: "RBC" or "Ryukyu hoso dsu" every 15 or 30 min's. KSBK: "Radio 880" — **V.** by QSL-card.
**FAR EAST BROADCASTING CO. (Non-Comm, missionary)**
**ADDR:** CPO Box 55, Naha. **Cable:** Febcom. **Te:** 78208 — **L.P:** Dir: R. F. Stiles. Dir. Tec: J. Barham. Dir. Prgr's: J. Dresbach (KSAB) Matsukawa (KSDX), G. Bell (KSBU)
**STATIONS:** KSAB 1020kHz 1kW — KSDX 1250kHz 5kW — KSBU 1360kHz 100kW — **HOME SCE:** KSAB (English): 21.00-14.00. **N, Wrp:** 21.55, 22.55, 23.55, 00.55, 02.45, 08.45, 11.45 — KSDX (Japanese): 22.00-14.00. **N:** 22.30, 23.30, 02.30, 03.30, 09.30, 12.30 — KSBU (Chinese): 10.30-15.30 (beamed towards Shanghai) — **ANN:** Call letters every 15 or 30 min. — **V.** by QSL-card. Rp. preferred.

**INT-SIG:** Vibraphone.



**PUB:** Prgr. schedule free — **FI:** By freewill gifts.

**RADIO OKINAWA CO. LTD. (Comm.)**
**ADDR:** CPO Box 405, Naha, Okinawa. **Te:** 8-5128 — **L.P:** Pres: J. Toma — **STATIONS:** KSDT 780kHz 5kW.
**HOME SCE. in Japanese:** 20.00-15.00 — **ANN:** "KSDT, ROK" or "R. Okinawa des" at 15 or 30 min. intervals — **INT-SIG:** Chimes or audio tones — **V.** by QSL-card.

**VOICE OF AMERICA RADIO STATION IN OKINAWA**
**ADDR:** Voice of America, Washington, D.C. 20547, USA.
**STATIONS: Medium Wave:** Okinawa-A 1178kHz 1000kW: 11.00-17.00
**Short Waves:** Okinawa 35/100kW: 21.30-02.00, 09.00-16.30

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 3935 | 76.24 | 7165 | 41.87 | 11715 | 25.61 | 15210 | 19.72 |
| 6010 | 49.92 | 7235 | 41.47 | 11920 | 25.17 | 15395 | 19.49 |
| 6075 | 49.38 | 7255 | 41.35 | 11965 | 19.72 | 17725 | 16.93 |

**D.PRGR: Medium Wave:** 11.00-13.30 Chinese, 13.30-14.00 Korean, 14.00-16.00 Chinese — **Short Wave:** See USA — **ANN:** "You are listening to the Voice of America from Okinawa" — **INT-SIG:** Variations of "Columbia, the Gem of the Ocean" — **V.** by QSL-card.

**VOICE OF THE UNITED NATIONS COMMAND (VUNC)**
**ADDR:** Headquarters: 7th Psyop Gp, APO 96248. Studios: Maschinato, Okinawa.
**STATIONS:** Deragawa (Okinawa) 9840kHz 30.49m 20kW — 13832kHz 21.69m 20kW — **D.Prgr's in Korean,** 06.00-21.00 — **V.** by QSL-card — **PUB:** Prgr. schedule yearly.

## SABAH (Federation of Malaysia)

**L.T:** GMT+8 h — **Pr.L:** English, Malay, Chinese, Kadazan, Murut, Indonesian, Bajau.
**R. MALAYSIA SABAH (Gov.)**
**ADDR:** Dept. of Radio, Jesselton. **Te:** 2711. **Cable:** Broadcasts. **L.P:** Contr. of Radio: S. H. Amin. Chief Eng: M. K. O. Chen.
**STATIONS** (G.C: 116.03E/05.56N): 565kHz 531.0m 10kW — 750 kHz 400.0m 5kW — 930kHz 322.6m 5kW — 4970kHz 60.36m 5kW — **FM:** 97.5MHz 100kW.
**HOME SCE:** On 930/4970kHz+FM (Jesselton): W 22.30-00.30, 04.00-06.15, 07.45-16.00 (Sat 03.00-16.00); Sun 22.30-07.15, 07.30-16.00.
**English:** 23.30-24.00 (W), 01.30-04.00 (Sun), 03.00-04.00 (Sat), 05.00-05.30 (Sat 06.30), 11.00-11.45, 13.30-15.00 — **Malay:** 00.00-00.30 (W), 00.30-01.30 (Sun), 05.30-06.15 (Mon-Fri), 05.30-07.15 (Sun), 06.30-07.45 (Sat), 12.00-13.30, 15.00-16.00 — **Chinese:** 23.00-23.30 (Sun 23.30-00.30), 04.30-05.00, 08.00-09.30 — **Kadazan:** 22.30-23.00 (Sun 23.30), 04.00-04.30, 09.30-09.45, 10.00-11.00 — **Indonesian:** 07.45 (Sun 07.30)-08.00 — **Murut:** 09.45-10.00 — **Bajau:** 11.45-12.00.
**Reg. St's:** Tawau 750kHz: 04.00-06.15 (Sun 07.15, Sat 07.45), 07.45-08.00 rel. Jesselton; 08.00-09.00 (tape from Kuala Lumpur); 09.00-11.00 rel. Kuala Lumpur; 11.00-16.00 rel. Jesselton. Tenom 565kHz: 08.30-09.00 (tape from Jesselton), 09.00-13.00 rel. Jesselton — **FM:** rel. Jesselton.
**ANN:** "Ini-lah R. Malaysia, Sabah broadc. from Jesselton" — **INT-SIG:** Open with Sabah anthem and closes with Nat. anthem. **V.** by letter. Re. to Asst. Contr. of Prgr's — **PUB:** "Sabah Calling" (fortnightly) — **ALF:** $ 12.00.

## SARAWAK (Federation of Malaysia)

**L.T:** GMT+8 h — **Pr.L:** English, Malay, Chinese, Dayak, Melanau Bidayuh.
**R. MALAYSIA SARAWAK (Gov.)**
**ADDR:** Broadc. House, Kuching. **Te:** 2345. **Cable:** Broadcasts. **L.P:** Contr. of Radio: M. Salleh Askor. Chief Eng: Sun Tai Lum.
**STATIONS** (G.C: 110.20E/01.33N):

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 730 | 410.9 | 20/10 | 4950 | 60.60 | 20/10 | 7270 | 41.27 | 20/10 |
| 850 | 352.9 | 20/5 | 5037 | 59.56 | 20/10 | 9535 | 31.46 | 20/10 |
| 950 | 315.8 | 20/5 | 7145 | 41.99 | 20/7.5 | 9565 | 31.37 | 20/10 |
| 4835 | 62.05 | 20/10 | 7160 | 41.90 | 20/10 | | | |

**HOME SCE: Morning Sce:** On 730/4950/7160kHz: 23.00-01.00 (English 23.00, Chinese 00.00) — On 850/4835/7270/9535kHz: 23.00-04.00 (Iban 23.00, Bidayuh 23.30, Malay 00.00).
**Midday Sce:** On 730/7160kHz: Chinese 04.00-05.00 (W) — **English:** 05.00-05.30 (Sat 06.30, Sun 07.30), 03.00-04.00 (Sun). On 850/7270 kHz: Melanau 04.00-05.00 (Tues) — Malay 04.00-05.00 (Wed) (Fri 05.30, Sun 06.00) — Iban 03.00-04.00 (Sun), 04.00-05.00 (Mon, Thurs, Sat). On 950/7145kHz: Bidayuh 04.00-05.00 (Sun).
**Evening Sce:** On 730/4950/7160kHz: Chinese 09.00 (Sun 08.00)-

11.00, 12.30-14.00. **English:** 11.00-12.30, 14.00-16.00 — On 850/4835/7270kHz: Malay 08.30-10.30, 12.30-14.00, 15.00-16.00. Iban 10.30-12.30, 14.00-15.00 — On 850/5037kHz: Bidayuh 11.00-14.00. **ANN:** E: "This is R. Malaysia Sarawak". Malay: "Ini-lah R. Malaysia Sarawak". Iban: "Tu R. Malaysia Sarawak". Chinese: "Cher Sher Sarawak Malaysia Kwang Bo Tien Thai". Bidayuh: "Ati Inuh R. Malaysia Sarawak" — **INT-SIG:** A musical phrase played on a native instrument, the Sapé, a musical phrase alternating between A and F — **V.** by QSL-card — **ALF:** $ 10.00

## SAUDI ARABIA

**L.T:** GMT+3 h — **Pr.L:** Arabic.
Arabic Time: The local sunset is 12 hrs. Arabic Time. This, being a sun time, either is closer or farther from Local Standard Time which is GMT+3h for both Riyadh and Jeddah. The Arabic Time at Riyadh is approx. 5 hrs. behind Local Standard Time in Winter and approx. 7 hrs. behind Local Standard Time in Summer. The Arabic Time of Riyadh is approx. 30 min's ahead of Jeddah time.

**SAUDI ARABIAN BROADCASTING (Gov.)**
**ADDR:** Ministry of Information, Airport Rd, Jeddah. **Cable:** Information Ministry. **Te:** 4171 — **L.P:** Minister of Inf: H. E. Sheikh J. Hijailan. Dir. Gen. of Broadc: Sheikh A. F. Ghazawi. Dir. Gen. of Technical Sce's (Radio & TV): A. Sabri (Eng. Dept, Riyadh).
**STATIONS:** (G.C: Jeddah 39.12E/21.88N; Riyadh: 46.23E/24.30N). *—Jeddah; **=Riyadh.

| kHz | m | kW | Sce. | kHz | m | kW | Sce. |
|---|---|---|---|---|---|---|---|
| **575 | 523 | 1 | English | **647 | 464 | 1 | Arabic |
| *602 | 499 | 50 | Arabic | *723 | 415 | 50 | English |

**Short Waves:**

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| **6000 | 50.00 | 50 | **9720 | 30.86 | 50 | **11950 | 25.10 | 50 |
| **7220 | 41.55 | 50 | *11855 | 25.31 | 50 | *15115 | 19.85 | 50 |
| *9670 | 31.02 | 50 | *11870 | 25.27 | 50 | *15150 | 19.80 | 100 |

**HOME SCE: General Arabic Prgr:** Riyadh: Approx. 01.00-06.00 & 09.30-21.00 on 6000, 7220, 9720, 11950kHz — **N:** 02.30, 04.30, 05.30, 10.00, 13.15, 16.00, 18.00, 19.30 (times are approx). Jeddah: 01.30-06.30 & 19.30-21.00 on 9670kHz; 15.30-21.00 on 11855kHz; 09.30-15.30 on 15150kHz; **N:** 03.00, 05.55, 10.30, 13.50, 15.00, 16.00, 19.15, 21.00 (times are approx).
**English Prgr:** On 575/723kHz 04.30-05.30, 11.00-12.00 (Fri and holidays 10.00-13.00), 17.00-20.00. **N:** 04.30, 11.30, 17.00, 19.45.
**FOREIGN SCE: On 15115kHz:** Indonesian 13.00-13.55 (N: 13.45), Urdu 14.00-14.55 (N: 14.45), Persian 15.00-15.55 (N: 15.45). **On 11855kHz** Swahili 16.00-16.55 (N: 16.45).
**ANN:** Gen. Arabic Prgr: "Al Izaa Al Arabia Al Seoudia". Voice of Islam: "Sawt Al Islam Min Makatah Al Mukarahmah". Indonesian: "Disini Saudi Arabia". Urdu: "Mecca Mukarama Ka Awas Saudi Arab Radio". English: "This is the English Sce. of Saudi Arabian Broadcasting". Persian: "Inja Arabastani Sadiest Bachschi Farsi".
**INT-SIG:** Call to prayer (Az'an) played on flute — **V.** by letter, postcards. Recordings accepted — **F.PL:** 1200kW mw-tr. at Riyadh, 100kW mw-tr. at Damman; Four 250kW mw-tr's at Riyadh; 1kW mw-tr's at Medina, Abha, Jizan, Tabuk, Hail & Buraidah.

**ARAMCO RADIO (Pri.)**
**ADDR:** Dahrein — **STATION:** 1190kHz — **D.PRGR:** 03.00-15.00 **N. in English:** 08.45-14.45 — The st. is operated for the entertainment of oil workers in the Persian Gulf. It is known as "The Voice of the Desert".

## SINGAPORE

**L.T:** GMT+7½ h — **Pr.L:** Malay, Chinese, Tamil, English.
**RADIO SINGAPURA (Gov.)**
**ADDR:** Dept. of Broadc, Ministry of Culture, P.O. Box 1902, Singapore. **Te:** 50401. **Cable:** Broadcasts — **L.P:** Dir. of Broadc: P. S. Raman. Deputy Dir: G. Ang. Asst. Dir. (Engineering): B. I. L. da Cunha. Asst. Dir. (Prgr.): C. V.Doral. Contr. (News): S. T. Keong. Comm. Mgr: H. F. Lee.
**STATIONS** (G.C: 103.46E/01.21N): *Multilingual

| kHz | m | kW | Prgr. | kHz | m | kW | Prgr. |
|---|---|---|---|---|---|---|---|
| 630 | 476.2 | 10 | E | 6000 | 50.00 | 7.5 | C |
| 680 | 441.2 | 10 | C | 6155 | 48.74 | 50 | M |
| 790 | 441.2 | 10 | * | 7170 | 41.84 | 10 | C/T |
| 990 | 303.1 | 20 | M | 7250 | 41.38 | 7.5 | M |
| 1370 | 219.0 | 20 | C/T | 9635 | 31.14 | 50 | C |
| 5052 | 59.38 | 10 | E | 11940 | 25.12 | 50 | E |

**FM:** 92.4 MHz 12kW (ERP) E — 94.2 MHz 12kW (ERP) M — 95.8 MHz 12kW (ERP) C — 96.8 MHz 12kW (ERP) T
E=English. C=Chinese, M=Malay, T=Tamil.
**HOME SCE:** English Sce: On 630/5052/11940kHz + FM: Mon-Thurs 22.30-01.30, 03.30-08.30, 09.30-16.30; Fri/Sat 22.30-01.30, 01.30-04.30 (not on 11940kHz), 04.30-16.30; Sun 22.30-16.30. **N:** 23.30, 00.30, 06.00, 11.30, 14.00, 15.30.
**Malay Sce:** On 990/6155/7250kHz + FM: Mon, Wed 22.30-01.30, 04.00-06.30, 07.30-16.30; Tues/Thurs 22.30-01.30, 02.00-04.00 (not on 6155kHz), 04.00-06.30, 07.30-16.30; Fri/Sat 22.30-06.30, 06.30-09.30 (not on 6155kHz), 09.30-16.30; Sun 22.30-16.30. **N:** 23.45, 00.45, 05.30, 10.45, 13.45, 15.15.
**Chinese Sce:** On 680/6000/9635kHz + FM: Mon-Fri 22.30-01.30, 02.30-03.30 (not on 9635kHz), 03.30-07.30, 08.30-16.30; Sat 22.30-01.30, 01.30-04.30 (not on 9635kHz), 04.30-16.30; Sun 22.30-16.30. **N:** 23.45, 00.45, 05.00 05.45, 11.45, 12.45, 13.45. On 990/7170kHz: 13.30-16.30. **N:** 14.00, 15.00.
**Tamil Sce:** On 1370/7170kHz + FM: Mon/Wed/Sat/Sun 22.30-13.30; Tues/Thurs/Fri 22.30-03.00, 05.00-13.30. **N:** 23.45, 00.30, 06.00, 11.00, 13.00.
**ANN:** E: "This is R. Singapore". "Inilah R. Singapura" — **INT-SIG:** Chimes — **V.** by QSL-card. Rp. Recordings accepted. **PUB:** "Radio Weekly" and "TV & Radio Magazine" — **FI:** by Gov. and licence paymcnts — **ALF:** $ 12.00.

**BRITISH FORCES BROADC. SCE. SINGAPORE**
is operated by the Ministry of Defence to provide a service of inf. and entertainment as well as a link with home for H.M. Forces in the Far East. It is non-comm, does not accept adv.
**ADDR:** B.F.B.S. (F.E), HQ FARELF, c/o GPO Singapore. **Te:** 64711 ext. 2314. **L.P:** St. Contr: J. K. Parsons, Sen. Eng: J. M. Campbell. Prgr. Organizer (English): J. W. Nation. Prgr. Organizer (Gurkha): Mrs. L. Devaraj.
**STATIONS:** *88.9MHz 5kW — **5010kHz 59.88m 10kW *for Singapore — **for Western Malaysia.
**D.PRGR:** 06.30-12.30 English (both freq's), 12.30-14.30 Gurkha Prgr. on 5010kHz only. **N.** (B.B.C. relay): 08.00, 10.00 (English), 12.00 (Gurkha) — **V.** by QSL-card. Rp.

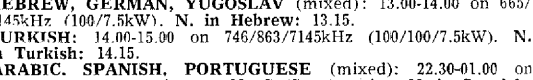
**REDIFFUSION SINGAPORE (Comm.)**
**ADDR:** P.O. Box 608, Singapore. **Te:** 25011. **Cable:** Rediffusc. **L.P:** Man. Dir: G. H. Oldridge. Gen. Mgr: J. Snowden. Comm. Mgr: Mrs. J. Taylor — **D.PRGR'S:** 22.30-16.30; Two simultaneous prgr's. (English & Chinese) via wired network.

## SYRIAN ARAB REP.

**L.T:** GMT+2 h (Su: GMT+3 h) — **Pr.L:** French, Arabic.
**SYRIAN BROADCASTING AND TELEVISION (Gov.)**
**ADDR:** Ommayad Square, Damascus. **L.P:** Dir. Gen: A. Haurani, Dir. Tec: Y. Zenati.
**STATIONS:**

| kHz | m | kW | kHz | m | kW | kHz | m | kW |
|---|---|---|---|---|---|---|---|---|
| 566 | 530 | 300 | 863 | 348 | 10 | 9555 | 31.40 | 50 |
| 602 | 498 | 2 | 956 | 314 | 60 | 9605 | 31.23 | 20 |
| 665 | 451 | 100 | 6165 | 48.66 | 20 | 15165 | 19.78 | 50 |
| 719 | 417 | 2 | 7145 | 41.99 | 50/7.5 | 15290 | 19.21 | 20 |
| 746 | 402 | 100 | 7185 | 41.75 | 20 | | | |
| 786 | 381 | 60 | 7235 | 41.47 | 50/20 | | | |

**ARABIC:** 04.00-23.00 on 566/786/956kHz; 04.00-15.00, 16.00-23.00 on 746kHz; 13.00-16.00 on 719kHz; 14.00-15.00 on 863kHz. On 7145kHz: 07.30-10.00; On 15290kHz: 19.00-22.00
**To No. Africa:** 04.00-07.30, 10.00-13.00 on 7235kHz (50kW), 13.00-23.00 on 7235kHz (20kW) — **To Egypt:** 04.00-07.30 on 6165kHz (20kW), 10.00-17.30 on 7185kHz (20kW) — **To Europe:** 19.00-23.00 on 6165kHz (50kW).
**N:** 04.15, 08.15, 11.15, 14.15, 16.15, 18.15, 20.15, 22.15.
**FRENCH & ENGLISH:** 04.00-06.30 on 719kHz (2kW), 7145kHz (7.5kW), also on 863kHz (10kW) until 07.00, 16.00-19.00 on 863kHz (10kW) and 719kHz (2kW) — **To Europe:** 16.00-19.00 on 15165kHz (50kW). **N. in English** 04.15, 16.15. **N. in French:** 05.15, 17.15.
**HEBREW, GERMAN, YUGOSLAV** (mixed): 13.00-14.00 on 665/7145kHz (100/7.5kW). **N. in Hebrew:** 13.15.
**TURKISH:** 14.00-15.00 on 746/863/7145kHz (100/100/7.5kW). **N. in Turkish:** 14.15.
**ARABIC, SPANISH, PORTUGUESE** (mixed): 22.30-01.00 on 15165/15290kHz (50/20kW) to No/Ce/So. America. **N. in Spanish:** 23.00. **N. in Arabic:** 23.45.
**ANN: Arabic:** "Houna Dimashk" E: "This is Damascus calling", F: "Ici Damas", Sp: "Aquí Damasco", Hebrew: "Kol Damasseh" — **INT-SIG:** Guitar — **V.** by QSL-card and letter.



## THAILAND

L.T: GMT+7 h — **Pr.L:** Thai.
**THE THAI NATIONAL BROADCASTING STATION (Gov.)**
**ADDR:** Public Rel. Dept, Bangkok. **Te:** 4881. **Cable:** Radio Thailand.

| Call | kHz | m | kW | Call | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| HSK27 | 810 | 370.1 | 1 | — | 910 | 330 | 1 |
| HSK2 | 830 | 370.4 | 10 | HSLK | 927 | 323.5 | 10 |
| HSK28 | 856 | 350.4 | 10 | — | 910 | 330 | 1 |

**Short Waves** (G.C: 100.30E/13.47N):

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| HSKB | 4830 | 62.10 | 5 | — | 7105 | 42.22 | 2.5 |
| HSK5 | 6070 | 49.42 | 1 | — | 7305 | 41.07 | 2.5 |
| HSK4 | 6160 | 48.70 | 1 | HSK9 | 11910 | 25.18 | 100 |

**HOME SCE: Thai:** 00.00-01.00, 12.00-14.45 on 830/4830/6070/6160/7305/11910kHz — **Other Languages: French** 05.30-06.00 on 1146/11910kHz.

**OVERSEAS SCE: To No. America:** 04.15-05.15 English on 910/7105/11910kHz. **To Korea** (in Thai): 09.30-09.45 on 810/7305/11910 kHz. To Vietnam: 09.45-11.55 on 810/11910kHz (Vietnamese 09.45, Cambodian 10.00, English 10.25-11.30, Malay 11.30, Mandarin 11.45).
**General Overseas Sce:** 10.25-11.57 on 6160/11910kHz — **Rel. Home Sce:** 13.00-14.00 on 11910kHz. **N:** English 04.25, 10.30. Thai 09.32, 13.00. Vietnamese 09.45. Cambodian 10.00. Malay 11.30. Mandarin 11.45.
**Regional Stations** (in Thai only):
1) Bangkok: 23.00-03.56 (Sun only) on 856/6097kHz, 04.00-07.30 (Sun only) on 856/4830kHz, 08.00-12.00 on 856/4830kHz, 12.00-15.30 on 856/6097kHz.
2) Surasdhani: 00.00-01.00 on 635/4640kHz (both 1kW), 04.00-07.00 on 1210/4640kHz (both 1kW), 07.00-10.00 on 635kHz, 11.00-15.00 on 1210/4640kHz.
3) Dhonburi: On 960kHz (1kW) 23.00-02.00, 03.00-06.00, 10.00-15.30; On 1256kHz (1kW) 00.00-01.00, 05.00-06.00,10.00-15.00.
**ANN:** E: "This is the Overseas Broadc. St. of Thailand". F: "Ici R. Bangkok". Thai: "Thini Stani Vitayu Krajai Sieng hang Pra Thes Thai" — **V.** by letter. Re. to Overseas Broadc. Division, Public Relations Dept, Bangkok.

**MINISTRY OF EDUCATION** (Gov.)
**ADDR:** Division of Educ. Inf, Ministry of Education, Bangkok. **Te:** 46139.
**STATIONS** (G.C: 100.30E/13.47N):
1180kHz 254.2m 2kW — 3203kHz 91.69m — 6062kHz 49.48m 2kW.
**HOME SCE. in Thai, English:** Mon-Fri 11.00-14.00, Sat/Sun 09.00-12.00 (in Thai and occ. English); Mon-Fri 01.30-07.00 School prgr's (in term time) — **N:** 11.35, 13.00 — **ANN:** E: "This is the Educ. Broadc. St. of Thailand, broadc. on a frequency of..". — **V.** by letter — **F.PL:** 10kW (on 1180kHz) — **PUB:** "Radio Times" in Thai.

**THAI TELEVISION CO. LTD.** (Comm.)
**ADDR:** Mansion B. Rajadamnern Ave, Bangkok. **Cable:** "Thaitv". **Te:** 27952 — **L.P:** Man. Dir: P. Hongsanand.
**STATIONS** (G.C.100.30E/13.45N):
1500kHz 200.0m 10kW Prgr. I — 6010kHz 49.92m 10kW Prgr. I 1150kHz 260.9m 10kW Prgr. II — 7105kHz 42.22m 1kW Prgr. II
**FM:** 100.5MHz (Prgr. I), 94.5MHz (Prgr. II music), 96.5MHz (Prgr. III), 95.0MHz (Stereo-Multiplex) (Prgr. IV).
**HOME SCE. in Thai: Prgr. I:** 23.00-16.00 on 1500/6010kHz. **2nd Prgr.** (Music): On 1150/7105kHz. **N. in Thai:** 00.00, 00.45, 01.00, 02.30, 03.35, 04.20, 05.40, 07.45, 08.30, 09.30, 10.40, 11.30, 13.00, 13.40, 15.00.
**ANN:** "This is the regular Sce. of TTV Radio, broadc. every day on the freq's. of 1500kHz, 6010kHz and 100.5MHz on FM. Transmission comes to you every day, from six o'clock to eleven o'clock" — **V.** by letter. Recordings accepted.

## TIMOR (Portuguese)

**L.T:** GMT+8 h — **Pr.L:** Portuguese.
**EMISSORA DE RADIODIFUSAO DE TIMOR PORT.** (Gov.)
**ADDR:** Dili. **Te:** 295 — **L.P:** Dir. Gen: D. S. M. de Carvalho Braga. St. Mgr: J. J. das Neves. Dir. Tec: F. Cosme.
**STATION** (G.C: 125.34E/08.33S). 3268kHz 91.78m 1kW.
**HOME SCE. in Portuguese:** D 04.30-06.00, 10.00 (Sun 00.30)-14.30 (Sat 15.00) exc. for times for Tetum (local language) and Chinese. **Tetum:** 10.15-10.25 (Thurs 10.45) — **Chinese:** Wed & Sat 12.30-13.00.
**ANN:** "Aqui Emissora de Radiodifusão de Timor Português, funcionando na banda dos 90 metros. freq. de 3268kHz".
**INT-SIG:** Gong — **V.** by QSL-cards or letter. Recordings accepted. **FI:** By Gov, adv. & license payments — **ALF:** Esc. 100,-.

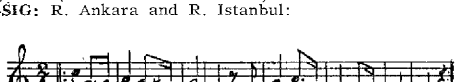
## TURKEY

**L.T:** GMT+2 h — **Pr.L:** Turkish.
**TURKISH RADIO-TELEVISION CORPORATION** (Indep.)
**ADDR:** TRT Türkiye Radyo Televizyon Kurumu, Genel Müdürlügü, Ankara. **Cable:** TRT. **Te:** 172323. **Telex:** 7476 — **L.P:** Dir. Gen: A. Öztrak. Asst. Dir. Gen. (Adm): M. Tascioglu. Asst. Dir. Gen. (Prgr's): T. Özakman. Asst. Dir. Gen. (Techn. Sce's): D. Erden. Secr. Gen. a.i. K. Akçakoca, Legal Adviser: T. Gürzümar.

**STATIONS:** Ankara (Main St.); Other reg. st's.

| | kHz | m | kW | | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Ankara | 182 | 1648 | 240 | Kars | 1165 | 275.5 | 2 |
| Erzurum | 245 | 1224 | 100 | Van | 1178 | 254.1 | 2 |
| Istanbul | 701 | 428.0 | 150 | Gazientep | 1210 | 247.9 | 2 |
| Istanbul | 963 | 311.5 | 2 | Antalya | 1295 | 231.7 | 2 |
| Izmir | 971 | 309.0 | 100 | **Short waves** | **kHz** | **m** | **kW** |
| Izmir | 1033 | 290.4 | 2 | Izmir | 7650 | 39.21 | 1 |
| Ankara | 1063 | 282.2 | 2 | Diyarbakir | 7650 | 39.21 | 1 |
| Adana | 1133 | 264.8 | 2 | Iskenderum | 9770 | 30.70 | 0.3 |

**HOME SCE: R. Ankara:** 182kHz: D 04.30-22.00. 1063kHz: 14.55 (Sat 09.55, Sun 08.00)-23.00 — **R. Istanbul:** 701kHz: W 04.25-22.00; Sun 04.25-22.00; 963kHz: 14.55 (Sat 09.55, Sun 08.00)-23.00 — **R. Izmir** (on all freq's): W 04.30-13.00, 15.00-22.00 (Sat/Sun 04.30-22.00).
**R. Adana/Antalya/Gazientep/Erzurum/Kars/Van:** D 04.25-08.00, 09.55-12.30, 15.55-23.00.
**R. Diyarbakir/Iskenderun:** D 04.30-07.00 (Sat/Sun 08.00), 10.00-11.30 (Sat/Sun 12.30), 15.00-21.00.
**ANN:** "Burasi Ankara" (This is Ankara) or "Burasi Istanbul Radyosu" (This is Radio Istanbul).
**INT-SIG:** R. Ankara and R. Istanbul:



**FOREIGN SERVICE**
**STATIONS** (G.C: 30.42E/39.54N):

| Call | kHz | m | kW | Call | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| TAT | 9515 | 31.53 | 100 | TAU | 15160 | 19.79 | 100 |
| TAP | 9745 | 30.78 | 20 | TAV | 17820 | 16.84 | 100 |

**FOREIGN SERVICE**

| Arabic | kHz | Rumanian | kHz |
|---|---|---|---|
| 16.00-16.30 | 9745 | 16.30-17.00 | 9745 |
| 18.30-19.30 | 9745 | **Serbo-Croat** | |
| **Bulgarian** | | 17.30-18.00 | 9745 |
| 17.00-17.30 | 9745 | **Turkish** *) relay | 182kHz |
| **English** | | *04.20-07.00 | 15160 |
| 14.15-14.45a | 17820 | (Mon-Fri) | |
| 22.00-22.30b | 15160 | *04.20-11.30 | 9745 |
| **French** | | (Mon-Fri) | |
| 19.00-19.30b | 15160 | 11.30-13.00 | 9745 |
| **German** | | 15.30-18.15b,c | 9515 |
| 18.30-19.30b | 15160 | 19.45-21.45b,c | 9515, 9745 |
| **Greek** | | *04.20-12.00 (Sat) | 9745, 15160 |
| 18.00-18.30 | 9745 | 12.00-13.00 (Sat) | 9745 |
| **Persian** | | *04.20-11.00 (Sun) | 9745.15160 |
| 13.45-14.15a | 17820 | 11.00-11.15 (Sun) | |
| 15.30-16.00 | 9745 | 11.15-13.00 (Sun) | 9745, 15160 |
| **Pushtu** | | **Urdu** | |
| 13.15-13.45a | 17820 | 14.45-15.15d | 17820 |

a) to So. Ea. Asia, b) to We. Europe, c) to No. America.
**N:** at the beginning of every tr. — **ANN:** E: "This is R. Ankara". F: "Ici postes émetteurs de Turquie, R. Ankara a ondes Courtes émettant sur une longueur d'one de . . .". G: "Hier ist der Türkische Landessender Ankara, auf Kurzwelle . . .". Turkish: "Burasi Turkiye Radyo yayin postalari, kisa dalga Ankara Radyosu". **INT-SIG:** As for Home Sce. — **V.** by QSL-card — **F.PL:** Diyarbakir 209kHz 250kW — **PUB:** Prgr. schedule (weekly) for R. Ankara, R. Istanbul, R. Izmir, R. Antalya, R. Adana, R. Gaziantep — **ALF:** Turkish £ 20.

**ISTANBUL UNIVERSITY** (Gov. Educ.)
**ADDR:** Fen Fakültesi (Faculty of Science), Tatbiki Fizik Merkezi, Istanbul. **Te:** 222808 — **L.P:** Dir. Gen: Prof. Dr. F. Yenicay. St. Mgr: Y. Kaini. Dir. Tec: Y. Kilichi — **STATION:** 7450kHz 40.27m 1.75kW. **D.PRGR:** 13.00-15.00 (propagation experiments), 16.00-18.00 — **University N:** 16.00.
**ANN:** Burasi 40 metre dalgaboyu üzerinden tecrübe yayini yapan Istanbul Universitesi Fen Fakültesi Radyosu" ("Here is the Experimental R. Station of Istanbul University Faculty of Science broadcasting on 40m" — **V.** by letter. Recorded re. in E. preferred — **PUB:** Prgr. schedule free.

**TECHNICAL UNIVERSITY OF ISTANBUL** (Gov.)
**ADDR:** Teknik Universite, Elektrik Fakültesi, Yüsek Frekans Teknigi Kursüsü, Istanbul **Te:** 482250.
**HOME SERVICE:** I.T.U=Istanbul Teknik Universiti.
6280kHz 47.77m 1kW. 18.00-19.30 (exc. Sat).
**FM:** 99.5MHz 0.25kW: 18.00-20.30 (exc. Sat).
Frequencies are shifted slightly if interference occurs.
**D.PRGR:** Classical Music & National (Turkish) Music: Sun, Tues, Thurs: 18.00-18.30.
**ANN:** Turkish: "Burasi Istanbul Teknik Universitesi Radyosu".

E: "Here is the R. Station of the Technical University of Istanbul". INT-SIG: "Turkish March" by Mozart — V. by letter. Rp.

**CINARLI SANAT ENSTITUSU DENEME RADYOSU** (Education Schools)
**ADDR:** Izmir. **Te:** 33723. **L.P:** Dir. Gen: A. Kirdar.
**STATIONS:** 1200kHz 0.5kW — TAO6 7100kHz 0.25kW.
**D.PRGR:** 13.00-14.00 — **ANN:** "Izmir Cinarli Sanat Enstitüsü Deneme Radyosu".

**TECHNICAL SCHOOL OF ISTANBUL** (Educ.)
**ADDR:** Istanbul Yüksek Teknik Okulu, Yildiz, Istanbul. **Te:** 473230.
**STATION:** TAO5 7143kHz 42.01m 1.6kW — **D.PRGR'S:** W 18.00-20.00. Sun 11.00-13.00. Language Lessons (30 min's) & Music (Western & Turkish recordings) — **ANN:** "Burasi Istanbul Yüksek Teknik Okulu Radyosu" — **V.** by letter.

## VIETNAM (Democratic Republic)

**L.T:** GMT+7 h — **Pr.L:** Vietnamese.

**THE VOICE OF VIETNAM** (Gov.)
**ADDR:** No. 58. Quan-Su Street, Hanoi. **Te:** 4134.
**STATIONS:** Hanoi.

| kHz | m | kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|---|---|
| 1010 | 297.0 | 4684 | 64.05 | 7060 | 42.49 | 9840 | 30.49 | 11840 | 25.34 |
| 1240 | 241.9 | 5985 | 50.13 | 9760 | 30.74 | 11760 | 25.51 | 15044 | 19.94 |

**HOME SCE:** 21.14-23.30, 02.45-05.00, 07.30-08.30, 09.30-16.00 on 1010/4684/5985/9840/11840/15044kHz.

**FOREIGN SERVICE: English:** 23.00-23.30 on 1240/9840/11840 kHz; 10.00-10.30, 13.00-13.30, 15.30-16.00 on 1240/9760/11760kHz — **French:** 23.30-23.45, 04.15-04.30, 13.30-14.00 on 1240/9840/11840 kHz — **Japanese:** 21.30-22.00 on 5985/7060/9760kHz, 12.30-13.00 & 14.00-14.30 on 9760/11760kHz — **Cantonese:** 09.00-09.30 on 9760/11760kHz, 14.00-14.30 on 1240/9840/11840kHz — **Korean:** 09.00-09.30 & 14.00-14.30 on 1240/9840/11840kHz — **Thai:** 05.30-06.00, 12.00-12.30 on 1240/9840/11840kHz — **Cambodian:** 09.30-10.00 on 9760/11760kHz, 12.30-13.00 on 1240/9840/11840kHz — **Indonesian:** 09.30-10.00 on 1240/9840/11840kHz, 13.30-14.00 on 9760/11760kHz — **Standard Chinese:** 04.30-05.00 & 11.30-12.00 on 1240/9840/11840 kHz.
**ANN:** E: "This is the Voice of Vietnam broadc. from Hanoi, Capital of the Democratic Republic of Vietnam" — **V.** by QSL-card, Prgr. schedules, pamphlets, pennants free. Recordings accepted.

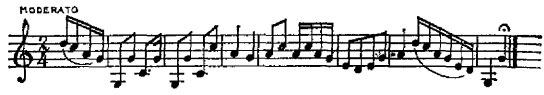
## VIETNAM (Republic)

**L.T:** GMT+8 h — **Pr.L:** Vietnamese

**RADIO VIETNAM, VTVN** (Radio Broadcasting System of Vietnam).
**ADDR:** 3 Phan dinh Phung Str, Saigon. **Te:** 25935. **Cable:** VTVN. **L.P:** Dir. Gen: Vu-duc-Vinh. Asst. Dir. Gen: H. Van-Phan. Chief of Cabinet: La-huy-Quy. Dir. Adm: Le-quang-Phung. Dir. Tec: Trancông-Thân. Dir. Prgr: Vu-duc-Minh. Dir. of N: Vo-Hung-Chi.
**STATIONS:** Saigon (G.C: 106.40E/10.37N)

| kHz | m | kW | Prgr. | kHz | m | kW | Prgr. |
|---|---|---|---|---|---|---|---|
| 540 | 555.6 | 1 | AFRS | 6165 | 48.66 | 200/20 | A |
| 610 | 491.8 | 20/60 | B | 7175 | 41.81 | 10 | A |
| 740 | 405.4 | 10/10 | | 7245 | 41.41 | 20 | B |
| 870 | 344.8 | 50/200 | A | 9620 | 31.19 | 200/50 | A |
| 1090 | 275.2 | 1/1 | C | 9755 | 30.76 | 10 | C |
| 4877 | 62.51 | 80/20 | A | 11950 | 25.10 | 25 | A |

**HOME SCE: Prgr. A** (Vietnamese): 24h — **N:** Every h on the h. **Prgr. B** (Chinese): 00.00-02.00, 05.00-06.15, 14.30-15.30 — **Vietnamese** (Forces Prgr.): 22.00-24.00, 03.30-05.00, 09.00-14.00 **N:** (Dictation) 06.15-07.00 — **Chinese:** 00.00-02.00, 05.00-06.15, 14.00-14.30. **N. in English:** 15.30-16.00.
**Prgr. C:** 21.58-00.30, 04.00-04.15, 10.00-13.00. **English:** 23.30-24.00, 12.00-12.30, (N, Dictation): 12.30-13.00. **French:** 11.00-12.00. **Cambodian:** 00.00-00.30, 10.15-11.00. **Thai:** 23.00-23.30. **LL: English:** 22.30-23.00, (in Vietnamese) 10.00-10.15. **French:** 04.00-04.15 — **AFRS Prgr.** (in English): 24 h.
**ANN** Vietnamese: "Dây là Tiêng Nói Nuoc Viet-Nam phat thanh tu Thu do Saigon. F: "Ici VTVN, la Voix de la republique du Viet-Nam emettant de Saigon." E: "This is VTVN, the Voice of the Republic of Viet-Nam broadcasting from Saigon" — **INT-SIG:** Cither solo.




**V.** by QSL-card of letter. Rp. Recordings accepted.
**REGIONAL STATIONS:** G.C: Dalat 108.23E/11.45N; Nhatrang 109.10E/12.15N, Huế 107.40E/16.25N.

| Location | kHz | m | kW | Location | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Huê | 650 | 461.5 | 20/100 | Quy Nhon | 1250 | 240.0 | 1 |
| Banmethuot | 690 | 434.8 | 50/100 | Dalat | 1440 | 208.3 | 1 |
| Huê | 720 | 416.7 | 5 | Huê | 1490 | 201.3 | 1 |
| Ba-Xuyên | 920 | 326.1 | 10 | Dalat | 6116 | 49.05 | 5 |
| Cân Thu | 780 | 384.6 | 1 | Danang | 7265 | 41.29 | 5 |
| Quang Ngai | 800 | 375.0 | 10 | Huê | 9670 | 31.02 | 5 |
| Nhatrang | 970 | 309.3 | 10 | Nhatrang | 9720 | 30.86 | 0.2 |
| Da Nang | 1090 | 275.2 | 10 | | | | |

**Banmêthuôt:** 21.55-02.30, 04.00-15.30 — **Danang:** 22.00-01.10, 03.27-06.15, 09.57-14.15 — **Ba-Xuyên:** 21.55-01.05, 03.30-07.30, 09.00-15.15 — **Dalat** 22.30-01.30, 03.50-06.00, 08.55-14.30 — **Nhatrang:** 22.00-00.10, 03.45-06.15, 09.45-15.15 — **Quang-Ngai:** 21.55-24.00, 03.55-06.00, 09.55-16.00 — **Huê:** 21.55-01.00, 04.00-07.00, 10.00-15.00.

**PROVINCIAL STATIONS:**

| Location | kHz | m | kW | Location | kHz | m | kW |
|---|---|---|---|---|---|---|---|
| Quang Nam | 1420 | 211.3 | 0.05 | Dinh Tuong | 1200 | 250.0 | 0.05 |
| Phu Yên | 1400 | 214.3 | 0.05 | Kiên Hoa | 710 | 422.5 | 0.05 |
| Long An | 670 | 447.8 | 0.05 | | | | |

**Quang Nam:** 22.30-24.00, 03.30-06.45, 10.00-13.30 — **Phu Yên:** 22.25-24.00, 03.55-05.20, 11.00-14.20 — **Long An:** 22.25-01.00, 03.55-05.30, 10.55-13.00 — **Dinh-Tuóng:** 22.27-00.20, 03.58-05.30, 10.58-13.30 — **Kiên Hoa:** 22.25-00.10, 03.55-05.30, 10.40-14.20.

**VOICE OF AMERICA R. STATION IN VIETNAM**
**ADDR:** Voice of America, Washington 20547, DC, USA.
**STATION:** Huê 760kHz 50kW; 11.00-16.30 Vietnamese.

## YEMEN

**L.T:** GMT+3 h — **Pr.L:** Arabic.
**RADIO SANAA** (Gov.)
**ADDR:** Sanaa — **L.P:** Dir. Gen: A. Sarham. Dir. Tec: H. Magdi.
**STATIONS:** 881kHz 10kW — 5804kHz 51.70m 25kW.
**HOME SCE. in Arabic:** 03.00-06.00, 11.00-15.00, 16.00-22.00 (approx.) — **N:** 04.00, 12.00, 17.00, 19.45.
**ANN:** "Huna San'aa" — **V.** by letter. Rp.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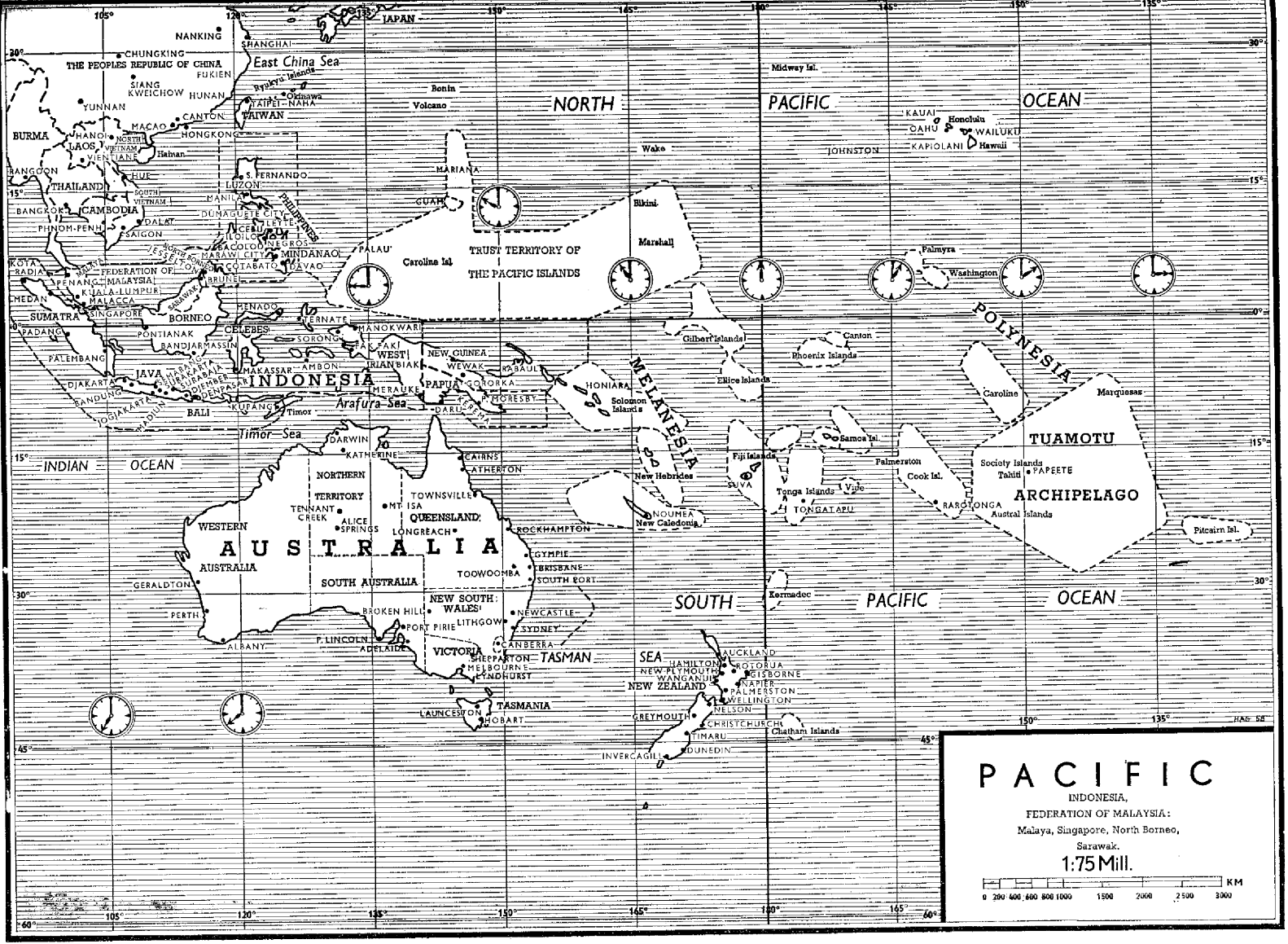
PACIFIC
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Malaya, Singapore, North Borneo,
Sarawak.
1:75 Mill.
0 200 400 600 800 1000 1500 2000 2500 3000 KM
NORTH PACIFIC OCEAN
SOUTH PACIFIC OCEAN
INDIAN OCEAN
TASMAN SEA
East China Sea
Timor Sea
Arafura Sea
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Bikini
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Washington
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Canton
Phoenix Islands
Ellice Islands
Solomon Islands
New Hebrides
New Caledonia
Fiji Islands
Samoa Isl.
Tonga Islands
Palmerston
Cook Isl.
Caroline
Marquesas
Society Islands
Tahiti
Austral Islands
Pitcairn Isl.
Kermadec
Chatham Islands
Hawaii
Honolulu
Okinawa
Hainan
Ryukyu Islands
Timor
Bikini
Marshall
Palmyra
Washington
Canton
Caroline
Marquesas
Tahiti
Pitcairn Isl.
Kermadec
Chatham Islands
HAG 58

# PACIFIC

## AUSTRALIA (Commonwealth of)

**L.T:** Tasmania: Oct-April: GMT + 11 h, April-Oct: GMT + 10 h; Ea. Austr: GMT + 10 h; So. Austr: GMT + 9½ h; We. Austr: GMT + 8 h. **Pr.L:** English.

**AUSTRALIAN BROADCASTING COMMISSION (ABC)**
Constituted under the Broadc. and TV-Act 1942-67. The Australian National Broadc. Sce prgr's are the responsibility of the ABC which is responsible to the Postmaster-General. The technical sce's in Radio and TV studios are provided by the ABC Engineering Dept; the tr's are operated by the Postmaster-General's Department.
**ADDR: Head Office:** 145 Elizabeth St, Box 487 G.P.O. Sydney 2001. **Cable:** ABCOM. **Tel:** 31-0211.
**L.P: Chmn:** Sir Robert Madgwick, O.B.E. Gen. Mgr: T. S. Duckmanton. Dep. Gen. Mgr: C. W. Semmler. Asst. Gen. Mgr.: W. S. Hamilton. Asst. Gen. Mgr. (Gen): A. N. Finlay. Contr. of Prgr's: N. Hutchison. Contr. of N: J. G. Oakley. Contr. of Techn. Sce's: V. Kenna. Contr. of Management Sce's: P. A. Dorrian. Dir. Overseas Sce's: P. W. R. Homfray. European Representative: E. K. Sholl, 54 Portland Place, London W.1, England; North American Representative: Ch. Buttrose, Suite 2708, 1270 Ave. of the Americas, New York 10020, USA; Asian Representative: J. Hollinshead, 15 Peck Hay Road, Singapore 9; Indonesian Representative: M. Carlton, Apt. 35, Djalan Kebon Sirih 40, Djakarta; Indian Representative: A. A. Cane, 116 Sunder Nagar, New Delhi; Japanese Representative: N. H. Petersen, Shinwa Bldg, 6th Floor, No. 10, 2-Chome Akasaka, Minato-ku, Tokyo; Malaysian Representative: A. H. Cooke, Room 705, Asia Insurance Bldg, Jalan Weld, Kuala Lumpur.

### THE NATIONAL BROADCASTING SERVICE

**MEDIUM WAVE SERVICE:** 1=Metropolitan. 2=Regional. Stations in fat types are relayed on Shortwave.

| Call | kHz | kW | Location | |
|---|---|---|---|---|
| **Australian Capital Territory** | | | | |
| 2CY[1] | 850 | 10 | Canberra | b) |
| 2CN[1] | 1540 | 2 | Canberra | a) |
| **New South Wales** | | | | |
| 2CR[2] | 550 | 50 | Orange | a) |
| 2ML[2] | 560 | 0.2 | Murwillumbah | a) |
| 2FC[1] | 610 | 50 | Sydney | a) |
| 2NU[2] | 650 | 10 | Tamworth | a) |
| 2CO[2] | 670 | 10 | Albury | a) |
| 2KP[2] | 680 | 10 | Kempsey | a) |
| 2NR[2] | 700 | 50 | Grafton | a) |
| 2TR[2] | 720 | 0.2 | Taree | a) |
| 2BL[1] | 740 | 50 | Sydney | a) |
| 2NB[2] | 760 | 1 | Broken Hill | c) |
| 2AN[2] | 760 | 0.05 | Armidale | a) |
| 2BA[2] | 810 | 10 | Bega | a) |
| 2GL[2] | 820 | 10 | Glen Innes | a) |
| 2UH[2] | 1040 | 1 | Muswellbrook | a) |
| 2NC[1] | 1230 | 10 | Newcastle | a) |
| 2NA[1] | 1510 | 10 | Newcastle | b) |
| 2LG[2] | 1570 | 0.2 | Lithgow | a) |
| 2CP[2] | 1570 | 0.05 | Cooma | b) |
| 2WN[2] | 1580 | 2 | Wollongong | a) |
| **Victoria** | | | | |
| 3WV[2] | 580 | 50 | Horsham | a) |
| **3AR[1]** | **620** | **50** | **Melbourne** | a) |
| **3LO[1]** | **770** | **50** | **Melbourae** | a) |
| 3GI[2] | 830 | 10 | Sale | a) |
| 3WL[2] | 1570 | 0.2 | Warrnambool | a) |
| **Queensland** | | | | |
| 4QL[2] | 540 | 10 | Longreach | a) |
| 4QR[1] | 590 | 50 | Brisbane | a) |
| 4AT[2] | 600 | 2 | Atherton | b) |
| 4QN[2] | 630 | 50 | Townsville | a) |
| 4QW[2] | 710 | 10 | St. George | a) |
| 4QA[2] | 720 | 2 | Mackay | a) |
| 4QS | 750 | 10 | Toowoomba | a) |
| 4QG[1] | 790 | 10 | Brisbane | b) |
| 4RK[2] | 840 | 10 | Rockhampton | a) |
| 4QB[2] | 910 | 10 | Maryborough | a) |
| 4QO[2] | 910 | 10 | Eidsvold | a) |
| 4QY[2] | 940 | 2 | Cairns | a) |
| **Queensland** | | | | |
| 4MI[2] | 1080 | 0.2 | Mount Isa | a) |
| 4QD[2] | 1550 | 50 | Emerald | a) |
| 4GM[2] | 1570 | 0.2 | Gympie | a) |
| 4SO[2] | 1590 | 0.2 | Southport | a) |
| **South Australia** | | | | |
| 5CK[2] | 640 | 10 | Port Pirie | c) |
| 5CL[1] | 730 | 50 | Adelaide | d) |
| 5AN[1] | 890 | 10 | Adelaide | c) |
| 5PA[2] | 1160 | 2 | Penola | c) |
| 5LN[2] | 1530 | 0.2 | Port Lincoln | c) |
| 5WM[2] | 1580 | 0.05 | Woomera R. Range | c) |
| 5MG[2] | 1580 | 0.2 | Mt. Gambier | c) |
| 5MV[2] | 1590 | 2 | Renmark | c) |
| **Western Australia** | | | | |
| 6DL | 530 | 10 | Dalwallinu | e) |
| 6WA[2] | 560 | 50 | Wagin | e) |
| 6NM[2] | 600 | 0.2 | Northam | e) |
| 6AL[2] | 650 | 0.4 | Albany | e) |
| 6WF[1] | 690 | 50 | Perth | e) |
| 6CA | 720 | 0.2 | Carnarvon | e) |
| 6GF[2] | 660 | 2 | Kalgoorlie | e) |
| 6WN[1] | 810 | 10 | Perth | f) |
| 6GN[2] | 830 | 2 | Geraldton | e) |
| 6ED[2] | 840 | 1 | Esperance | e) |
| **Tasmania** | | | | |
| 7ZL[1] | 600 | 10 | Hobart | b) |
| 7QN[2] | 630 | 0.4 | Queenstown | a) |
| 7NT[2] | 710 | 10 | Launceston | a) |
| 7ZR[1] | 940 | 10 | Hobart | a) |
| **Northern Territory** | | | | |
| 8DR[2] | 650 | 2 | Darwin | c) |
| 8KN[2] | 670 | 0.05 | Katherine | c) |
| 8TC[2] | 680 | 0.05 | Tennant Creek | e) |
| 8AL[2] | 1530 | 0.05 | Alice Springs | c) |
| **Papua/New Guinea** | | | | |
| **9PA** | **1250** | **2** | **Port Moresby** | **b)** |
| 9RB | 810 | 2 | Rabaul | g) |

a) 20.00 (Sun 20.30)-14.02; b) 20.00 (Sun 20.30)-14.00; c) 20.00 (Sun 20.30)-14.32; d) 20.00 (Sun 20.30)-14.30; e) 22.00 (Sun 22.30)-16.02; f) 22.00 (Sun 20.30)-16.00; g) 20.00 (Sun 20.30)-03.45, 06.15-12.45.

**NEWS: 20.03** (2CY, 2FC, 2NR, 3WV); **20.30** (2FC, 2NR, 3WV, 4QN); **21.00** (2ZY, 2NR, 2BL, 3WV, 4QR, 5AN); **21.00** (4QN, 5CL); **21.15** (2FC); **21.45** (2CY, 2NR, 2BL, 3WV, 4QR, 5AN); **22.00** (2CY, 2NR, 4QN, 6WA, 6WF, 6WN); **22.15** (5CL); **22.30** (6WA); **22.45** (6WA, 6WF); **00.00** (6WA); **00.25** (2CY, 2NR, 2BL, 3WV, 4QR, 5AN, 6WA, 6WF); **02.30** (2CY, 2FC, 2NR, 3WV, 6WA, 6WN); **03.00** (2BL, 4QR, 5CL, 6WF); **03.30** (2CY, 2FC, 2NR, 3WV); **03.45** (4QN, 5CL); **04.00** (5AN); **04.30** (6WA, 6WN); **06.00** (2CY, 2FC, 2NR, 3WV, 5CL, 6WA, 6WN); **08.53** (2CY, 2NR, 3WV, 4QN); **09.00** (2CY, 2FC, 2NR, 2BL, 3WV, 4QR, 5CL, 5AN, 6WF); **10.00** (6WA); **11.00** (2CY, 2NR, 3WV, 6WA, 6WN); **12.00** (2FC, 5CL); **13.00** (2CY, 2FC, 2NR, 3WV, 5CL, 6WA); **13.55** (2CY, 2BL, 2NR, 3WV); **14.25** (5AN); **15.00** (6WA, 6WN); **15.55** (6WF, 6WA).

### DOMESTIC SHORT WAVE SERVICE

**ADDR: Sydney:** A.B.C, Box 487, G.P.O. 2001 — **Melbourne:** A.B.C, Box 1686, G.P.O. 3001 — **Brisbane:** A.B.C, Box 293 E, G.P.O. 4001 — **Perth:** A.B.C., Box 190 D, G.P.O. 6001 — **Papua/New Guinea:** A.B.C, Box 1359, Boroka.
**STATIONS: G.C: Sydney** (150.54E/33.57S): VLI (2kW) — **Melbourne** (145.25E/37.20S): VLG, VLH & VLR (10kW) — **Brisbane** (153.01E/27.19S): VLQ & VLM (10kW) — **Perth** (115.49E/31.51S): VLW (10kW) & VLX (50kW) — **Port Moresby** (147.08/09.27S): VLT & VLK (10kW).

| Call | kHz | m | h of tr. | |
|---|---|---|---|---|
| VL16 | 6090 | 49.26 | W: 20.00-14.07 | Sun: 20.30-14.07 |
| VLH11 | 11880 | 25.25 | W: 20.00-22.45 | Sun: 20.30-22.15 |
| VLH15 | 15230 | 19.70 | W: 23.00-08.15 | Sun: 22.30-08.15 |
| VLH9 | 9680 | 30.99 | W: 08.30-14.07 | Sun: 08.30-14.07 |
| VLR6 | 6150 | 48.78 | W: 20.00-22.15<br>08.30-14.00 | Sun: 22.30-22.45<br>08.30-14.00 |
| VLR9 | 9680 | 30.99 | W: 22.30-08.30 | Sun: 23.00-08.30 |
| VLQ9 | 9660 | 31.06 | W: 20.00-14.07 | Sun: 20.30-14.07 |
| VLM4 | 4920 | 60.98 | W: 20.00-14.07 | Sun: 20.30-14.07 |
| VLW6 | 6140 | 48.86 | W: 22.00-24.00<br>10.30-16.07 | Sun: 22.30-24.00<br>10.30-16.07 |
| VLW9 | 9610 | 31.22 | W: 00.15-10.15 | Sun: 00.15-10.15 |
| VLX9 | 9610 | 31.22 | as VLW6 | |
| VLX15 | 15425 | 19.45 | W: 00.15-10.15 | Sun: 00.15-10.15 |
| VLT4 | 4890 | 61.35 | W: 20.00-22.00<br>07.30-14.00 | Sun: 20.30-22.00<br>07.30-14.00 |
| VLT9 | 9520 | 31.51 | as VLT4 | Sun: 22.15-07.15 |
| VLK3 | 3925 | 76.43 | as VLT4 | |
| VLK4 | 4890 | 61.35 | W: 22.15-07.15 | Sun: 22.15-07.15 |
| VLG | 15220 | 19.71 | W: 20.00-22.00 | Sun: 20.00-22.00 |

VLG takes Victorian regional prgr's & rel. from R. Australia. VLR relays 3LO, VLH relays 3AR, VLI takes N.S.W. regional prgr's, VLQ and VLM takes Queensland regional prgr's, VLW and VLX takes We. Australian regional prgr's, VLT and VLK relay 9PA.
**N:** 20.03 (not Sun), 20.30 (not Sun), 20.45, 21.15, 21.45, 00.25 (exc. Sat/Sun), 02.30, 03.30, 06.00 (not Sun), 09.00, 11.00 (not Sat), 13.00 (BBC & Aust), 13.55 — **Wrp:** included in N, also 22.45 (Sun), 02.40 (Sat), 02.45 (Mon-Fri), 03.48 (Mon-Fri), 08.28 (Sun), 08.55 (Sat) — **T.S: on the h — NOTE:** Although times are in GMT, calendar days apply to the Ea. States of Aust. only.

Elly Siahaan, translator-announcer in the Indonesian Service of Radio Australia, who is often heard in the popular Listeners' Choice programme.

**ANN:** "This is the A.B.C..." — **INT SIG:** Three Gongs (C.F.A.) **V.** by QSL-card and letter. Re. to ABC in capital city of state in which st. is located — **PUB:** "TV Times", "ABC R. Guide", R. Australia Prgr. Guide, Schools Broadcasts booklets, Boyer Lectures.
**FI:** By annual appropriation from Commonwealth Gov's budget.
**ALF:** Radio & TV (combined): A$ 17, — A$ 5.50 (radio only).

## OVERSEAS SERVICE — RADIO AUSTRALIA

**ADDR:** Radio Australia, P.O. Box 428G, G.P.O. Melbourne. **Cable:** Newscast. **Te:** 676911.
**TRANSMITTERS:** The tr's of STC, AWA, and RCA, manufacture are located at Shepparton (145.25E/36.20S) — 4x100kW, 2x50kW and 1x10kW, and Lyndhurst (145.16E/38.03S) — 2x10kW, and are capable of operating on any freq. allocated for international broadc. in the 13, 16, 19, 25, 31, 41 and 49 m.b.
**Note:** Radio Australia in common with all international broadc. st's, has no assigned freq's, but is allocated certain freq's for use during definite periods.
**SERVICES:** I: So, So. Ea, So. We. As; II: Ea. As, No. Pacific Isl; III: So. Pacific Isl; IV: Mid-Pacific Isl; V: British Isles, Eu; VI: No. America (Ea); VII: No. America (We); VIII: Af.

**Transmissions: November 1967-April 1968.**
Frequencies: † 50kW; * 10kW; Others 100kW.

| English | Area | kHz/Beams |
|---|---|---|
| 22.14-22.45 | I | 15220 (320°) |
| 22.45-01.00 | I | 17870 (308°), 15220 (320°) |
| 01.00-08.00 | I | 21540 (320°), 17870 (308°) |
| 08.00-08.30 | I | 17870 (308°), |
| 08.30-09.30 | I | 17870 (308°) 15320 (308°), †11880 (308°) |
| 09.30-14.30 | I | †11880 (308°), †9570 (320°) |
| 14.30-15.00 | I | †11880 (308°), †9570 (320°), 9540 (308°) |
| 15.00-17.30 | I | 11740 (308°), 9540 (308°) |
| 20.59-23.00 | II | †17715 (342°), †15240 (342°) |
| 23.00-00.15 | II | †15240 (342°) |
| 08.59-10.00 | II | *15390 (347°), 11810 (342°) |
| 10.00-11.00 | II | *15390 (347°) |
| 11.00-12.12 | II | *15390 (347°), 11810 (342°), 9580 (342°) |
| 12.12-14.00 | II | *15390 (347°) |
| 18.00-21.15 | III | 11810 (118°) |
| 06.45-09.15 | III | 11710 (128°), †9560 (128°) |
| 18.00-21.15 | IV | 11840 (63°) |
| 00.29-06.45 | IV | *15240 (63°) |
| 06.59-12.12 | IV | *7190 (52°) |
| 08.15-09.15a | V | 11710 (128°), †9560 (128°) |
| 12.14-13.15 | VI | *11710 (63°) |
| 01.00-03.00 | VII | 17840 (63°), 15320 (63°) |
| 03.30-05.15 | VIII | 17820 (250°), 15320 (250°) |

a) 06.45-07.45 from 18.2.1968.

| French | | |
|---|---|---|
| 23.15-00.15 | I | †17715 (320°) |
| 00.15-01.15 | IV | *15180 (52°) |
| 05.15-06.15 | IV | 15220 (73°) |
| 05.15-06.15 | VIII | 17820 (250°), 15320 (250°) |
| **Indonesian** | | |
| 22.30-00.30 | I | 11780 (342°), 15320 (308°) |
| 06.30-08.30 | I | 17820 (320°), 15320 (308°) |
| 10.00-11.30 | I | 11740 (308°), 7220 (308°) |
| 14.30-15.00 | I | 11740 (308°), 7220 (308°) |
| **Japanese** | | |
| 10.00-11.00 | II | 11810 (342°), 9580 (342°) |
| **Mandarin** | | |
| 11.30-13.30 | I | 11740 (308°), 7220 (308°) |
| **Cantonese** | | |
| 13.30-14.30 | I | 11740 (308°), 7220 (308°) |
| **Vietnamese** | | |
| 12.30-13.30 | I | 11790 (320°), 9540 (308°) |
| **Thai** | | |
| 13.30-14.30 | I | 11790 (320°), 9540 (308°) |

Freq's are subject to alteration. Details of alterations are given in tr's concerned for three days before the effective date and in "Transmission Parade" and "DX-ers Calling".

### FIXED PROGRAMMES

**ENGLISH: News:** 00.15(I), 01.30(I, IV, VI, VII), 02.30(I, IV, VI, VII), 03.45(VIII), 04.00(I, IV), 04.45(VIII), 05.00(I, IV), 06.00(I, IV), 07.00(I, IV), 07.15(V) from 18.2, 08.45(V) to 17.2, 09.00(I, II, IV), 10.00(I, II, IV), 11.00(I, II, IV), 11.30(VI) from 7.4, 12.00(I, II, IV), 12.30(VI) to 6.4, 13.00(I, II), 14.00(I), 15.00(I), 16.00(I), 17.00(I), 18.00(III, IV), 19.00(III, IV), 20.00 (III, IV), 21.00(II, III, IV), 21.45(II), 22.45(I, II), 23.00 (Forces) (I), 23.30(I, II) — **News Focus:** Wed/Fri/Sat 10.10(I, II, IV), 11.45(VI) from 10.4, 12.45(VI) to 6.4, 13.10(I, II), 16.10(I), 19.10(III, IV) — **International Report:** Sun 19.10(III/IV); Mon 03.55(VIII), 07.00(V) from 19.2, 08.30(V) to 12.2, 11.45(VI) from 8.4, 12.30(I/II), 12.45(VI) to 1.4, 15.30(I); Tues 01.40 (VI/VII); Thurs 04.00(VIII), 05.30(I/IV), 07.00(V) from 22.2, 08.30(V) to 15.2, 10.45(I/II/IV), 15.30(I); Fri 02.15(VI/VII) — **Commentary:** Mon-Fri 07.35(V) from 19.2, 08.20(I, IV), 09.05(V) to 16.2, 11.20(I/II/IV), 12.05(VI) from 8.4, 13.05(VI) to 5.4, 17.15(I).
**Mailbags: Pacific/Asia/Africa Edition:** Sat 18.30(III/IV), 21.15(II). Sun 01.00(I/IV), 04.00(VIII), 05.30(I/IV), 11.30(I/II/IV), 14.15(I); **European Edition:** Sun 07.00(V) from 18.2, 08.30(V) to 11.2; **North American Edition:** Sun 11.30(VI) from 7/4, 12.30(VI) to 31.3, Mon 01.10(VI/VII).
**DX-Programme:** Sat 19.30(III/IV), 08.00(II); Sun 05.00(VIII), 07.30(V) from 18.2, 09.00(V) to 11.2, 12.00(VI) from 7.4, 13.00(VI) to 31.3, 15.30(I); Mon 02.15 (VI/VII).

● Authoritative ● Up-to-the-minute
● Independent ● Accurate

Radio Australia comes to you around the clock in eight languages. There are 45 news bulletins a day — 30 in English, six in Indonesian, three in French, two in Mandarin, and one each in Cantonese, Thai, Vietnamese and Japanese.

For a free Programme Guide, write to:

**Radio Australia, Box 428G, Melbourne, Victoria, 3001, Australia.**

**Cable address: Newscast, Melbourne. Telex: RACAST/AA30551.**

Radio Australia is the Overseas Service of the Australian Broadcasting Commission.

# Australia

**Stock Exchange Report:** Fri 09.15 (I/II), 11.20(VI) from 12.4, 12.20(VI) to 5.4, 14.06(I); Sat 02.45(VI, VII), 07.30(V) from 23.2, 09.00(V) to 16.2 — **Request Prgrs: Listeners' Choice:** Sun 11.10(I/II/IV), D 14.30(I) — **Music by Request:** D 00.30(I/IV) — **Sport:** Results w 08.30(I/III/IV); Descriptions and results of major sports events in Australia and Overseas: Sat 02.00-07.30 to (I) on 21540kHz. World Sport Report: Wed 11.30(I/II/IV), 19.45(III/IV) — **Programme Previews:** 08.20(I/IV), 09.55(I/II/IV), 11.20(I/II/IV), 15.55(I). A preview is also given at the start of each daily tr. and three minutes before the close of tr. to the respective areas — **Transmission Parade:** Fri 20.54(III/IV), 22.10(II), 05.45(I, IV), 14.25(I) — **National Music:** Music by Australian artists and composers is broadcast regularly in all tr's.

**FRENCH: News:** 23.30(I), 00.30(IV), 05.30(IV, VIII). **Commentary:** Mon-Fri 23.42(I), Tues-Sat 01.00(IV), 05.42(IV, VIII); **International Report:** Mon 00.00(I), 00.45(IV), 05.45(IV, VIII); **Mailbag:** Sun 00.00(I), 00.45(IV), 05.45(IV, VIII).

**INDONESIAN: News:** 23.15, 00.15, 06.45, 08.00, 10.10, 11.00; **Breakfast Session:** D 22.32; **News Focus:** Thurs, Sat 10.30; **International Report:** Mon 10.30, Fri 07.15; **Mailbag:** 10.30; **English Lessions for Indonesians:** Tues 07.00, Fri 10.30; **Commentary:** Mon-Fri 11.10.

**JAPANESE: News:** 10.30; **International Report:** Sat 10.10; **Mailbag:** Sun 10.02; **Commentary:** Mon-Fri 10.42; **DX-Session** Sun 10.45.

**MANDARIN: News:** 11.45, 13.15; **News Focus:** Sat 12.30; **International Report:** Mon 12.30; **Commentary:** Mon-Fri 11.57; **Mailbag:** Sun 12.30.

**CANTONESE: News:** 14.00; **International Report:** Mon 13.45; **Mailbag:** Sun 13.45; **Commentary:** Mon-Fri 14.12.

**THAI: News:** 14.00; **Commentary:** Mon-Fri 14.15; **International Report:** Mon 13.45; **English Lessons for Thailand:** Fri 13.32; **Mailbag:** Sun 13.45.

**VIETNAMESE: News:** 13.00; **International Report:** Thurs 12.40; **Commentary:** Mon-Fri 13.12; **English Lessons for Vietnamese:** Sun, Sat 12.35; **Mailbag:** Sun 12.40.

**ANNOUNCEMENTS:** "This is Radio Australia transmitting the Overseas Service from the Melbourne studios of the ABC". "You are tuned to Radio Australia, the Overseas Service of the ABC" — Frequencies are given at regular intervals.
**TUNING AND INTERVAL-SIGNAL:** Celeste playing "Waltzing Matilda" for five minutes preceding programmes to all areas. Transmissions commence with the laugh of the Australian bird, the Kookaburra.
**VERIFICATION:** Listeners' reports are welcomed and correct reports are confirmed by verification card — **PUB:** a programme guide is available free upon application — **F.PL:** 3 x 250 kW tr's to begin operation in 1968 from Darwin.

**PRIVATELY OWNED BROADCASTING STATIONS**
Associated in a body called: **Federation of Australian Commercial Broadcasters. ADDR:** Box 7024 G.P.O. Sydney — **Te:** 29-1738. **Cable:** AFOBS — **L.P:** Federal Dir: E. L. Sommerlad. Exec. Secretary: H. M. Goodsall. Also Promotion and Research Organization "Australian Radio Advertising Bureau", 47 York Str., Sydney. **Te:** 29-1738. **The Australian Broadcasting Control Board** is a Go. Authority responsible for the planning of the broadc. sce's ensuring that technical equipment and prgr. sce's are of adequate standards and determining power, frequency and periods of operating of st's. **Addr:** 373 Elizabeth Str, Melbourne, C.1. **Cable:** Conboard. **Te:** 30-4321 — **L.P:** Chmn: M. F. E. Wright. Secr: J. A. McNamara. Dir. Tec: A. J. McKenzie. Dir. Prgr: D. A. Jose.
**2CH** is controlled by the new South Wales Council of Churches, **2SM** by the Roman Catholic Church, **5KA** and **5AU** by the Methodist Church.
**Abbreviations:** Amalg=Amalgamated, Ass=Associated, Me=Melbourne, B.Casters=Broadcasters, Transc=Transcontinental.
**Note:** Times quoted are GMT, but refer to local calendar days. St's with no time indication operate 24h.

**NEW SOUTH WALES:** Call letter: 2 —

| | Call | kHz | kW | Times | | Call | kHz | kW | Times |
|---|---|---|---|---|---|---|---|---|---|
| 1) | KM | 530 | 2(d) | a | 13) | UW | 1110 | 5 | |
| 2) | BH | 660 | 0.2 | c | 14) | AD | 1130 | 2 | c5 |
| 3) | KA | 780 | 2 | a7 | 15) | HD | 1140 | 2 | |
| 4) | GB | 870 | 5 | | 16) | WG | 1150 | 2 | b3 |
| 5) | LM | 900 | 2/1 | c1 | 17) | CH | 1170 | 5 | b9 |
| 6) | XL | 920 | 2/1 | | 18) | NZ | 1190 | 2 | b10 |
| 7) | UE | 950 | 5 | | 19) | GF | 1210 | 2 | b1 |
| 8) | GZ | 990 | 2 | c2 | 20) | DU | 1250 | 2 | b12 |
| 9) | KY | 1020 | 5 | | 21) | SM | 1270 | 5 | |
| 10) | CA | 1050 | 2 | b | 22) | TM | 1290 | 2 | b1 |
| 11) | RG | 1070 | 2/1 | c3 | 23) | LF | 1340 | 2 | c4 |
| 12) | MO | 1080 | 2 | b2 | 24) | NX | 1360 | 2 | b |

| | Call | kHz | kW | Times | | Call | kHz | kW | Times |
|---|---|---|---|---|---|---|---|---|---|
| 25) | LT | 1370 | 0.5 | b13 | 32) | NM | 1460 | 2/1 | b |
| 26) | GN | 1380 | 2 | c3 | 33) | BE | 1480 | 1 | |
| 27) | PK | 1400 | 2 | c3 | 34) | AY | 1490 | 2 | c7 |
| 28) | KO | 1410 | 2 | | 35) | BS | 1500 | 2 | c7 |
| 29) | WL | 1430 | 2 | c2 | 36) | QN | 1520 | 2 | c8 |
| 30) | MW | 1440 | 2 | b14 | 37) | VM | 1530 | 2/0.5 | a3 |
| 31) | MG | 1450 | 2 | c6 | 38) | RE | 1560 | 2 | b2 |

**VICTORIA:** Call letter: 3 —

| | Call | kHz | kW | Times | | Call | kHz | kW | Times |
|---|---|---|---|---|---|---|---|---|---|
| 39) | UL | 530 | 2(d) | b15 | 48) | SR | 1260 | 2 | a4 |
| 40) | UZ | 930 | 5 | | 49) | AW | 1280 | 5 | ** |
| 41) | BO | 960 | 2 | b4 | 50) | BA | 1320 | 2 | b9 |
| 42) | HA | 1000 | 2 | a1 | 51) | SH | 1330 | 2 | c3 |
| 43) | DB | 1030 | 5 | | 52) | GL | 1350 | 2 | b17 |
| 43) | LK | 1090 | 2 | b5 | 53) | XY | 1420 | 5 | |
| 44) | CS | 1130 | 2(d) | c9 | 54) | CV | 1440 | 2 | a2 |
| 45) | KZ | 1180 | 5 | b5 | 55) | MA | 1470 | 2 | c2 |
| 46) | YB | 1210 | 2 | b15 | 56) | AK | 1500 | 5 | * |
| 47) | TR | 1240 | 2 | | 57) | NE | 1600 | 2/1 | a4 |

**QUEENSLAND:** Call letter: 4 —

| | Call | kHz | kW | Times | | Call | kHz | kW | Times |
|---|---|---|---|---|---|---|---|---|---|
| 58) | KZ | 530 | 2 | | 70) | BC | 1120 | 2 | |
| 59) | KQ | 690 | 2 | | 71) | MB | 1160 | 2 | b2 |
| 60) | TO | 780 | 2 | b18 | 72) | GG | 1200 | 2 | b23 |
| 61) | GR | 860 | 2 | b2 | 73) | AK | 1220 | 2 | |
| 62) | WK | 880 | 2/1 | c10 | 73) | BK | 1300 | 2 | |
| 63) | VL | 920 | 2/1 | c11 | 74) | NA | 1320 | 2 | b7 |
| 64) | AY | 960 | 2 | b1 | 75) | BU | 1330 | 2 | b12 |
| 65) | RO | 1000 | 2 | b19 | 76) | GY | 1350 | 2/1 | b7 |
| 66) | CA | 1010 | 2 | c4 | 77) | LM | 1370 | 2 | c12 |
| 67) | IP | 1010 | 2 | b20 | 78) | MK | 1380 | 2 | b8 |
| 68) | SB | 1060 | 2 | c10 | 79) | BH | 1390 | 2(d) | a6 |
| 69) | LG | 1100 | 2 | b6 | 80) | ZR | 1480 | 2/1 | c13 |

**SOUTH AUSTRALIA:** Call letter: 5 —

| | Call | kHz | kW | Times | | Call | kHz | kW | Times |
|---|---|---|---|---|---|---|---|---|---|
| 81) | RM | 800 | 2 | c14 | 83) | AD | 1310 | 2 | |
| 82) | DN | 980 | 2 | | 83) | SE | 1370 | 0.5 | c16 |
| 83) | PI | 1040 | 2 | c15 | 85) | AU | 1450 | 2(d) | c18 |
| 84) | KA | 1200 | 2 | | 83) | MU | 1460 | 2/1 | c17 |

**WESTERN AUSTRALIA:** Call letter: 6 —

| | Call | kHz | kW | Times | | Call | kHz | kW | Times |
|---|---|---|---|---|---|---|---|---|---|
| 86) | VA | 780 | 2 | h | 87) | PM | 1000 | 2 | g |
| 87) | AM | 860 | 2 | g | 87) | GE | 1010 | 2 | g |
| 88) | PR | 880 | 2 | f | 89) | WB | 1070 | 2 | h |
| 89) | BY | 900 | 2 | h | 89) | IX | 1080 | 2 | |
| 90) | NA | 920 | 2 | h1 | 89) | MD | 1100 | 2 | h |
| 91) | CI | 960 | 2 | f2 | 91) | TZ | 1130 | 2 | f2 |
| 87) | KG | 980 | 2 | g | 90) | KY | 1210 | 2 | |

**TASMANIA:** Call letter: 7 —

| | Call | kHz | kW | Times | | Call | kHz | kW | Times |
|---|---|---|---|---|---|---|---|---|---|
| 92) | SD | 540 | 2 | f | 96) | AD | 900 | 0.5 | d |
| 93) | BU | 560 | 2/1 | C9 | 97) | EX | 1010 | 2 | *** |
| 94) | QT | 720 | 0.5 | e | 98) | HT | 1080 | 2 | b |
| 95) | HO | 860 | 2 | a6 | 99) | LA | 1100 | 2 | b22 |

**NORTHERN TERRITORY:** Call letter: 8 —

| | Call | kHz | kW | Times |
|---|---|---|---|---|
| 100) | DN | 1240 | 2 | c5 |

* 16/4-15/8: 21.00-07.00; 16/8-15/10: 21.00-08.00; 16/10-15/2: 20.00-09.00; 16/2-15/4: 20.00-08.00 — ** 18.30(Sun 19.30)-15.00; *** 18.45-14.00; a=19.00(Sun 20.30)-13.30(Sun 12.15); a1=19.00 (Sun 21.30)-13.30(Sat 14.00, Sun 12.30); a2=19.00(Sun 20.00-14.00 (Sun 13.00); a3=19.00(Sun 20.30)-14.00(Sat 15.00, Sun 13.00); a4=19.30(Sun 21.00)-13.30(Sat 14.00, Sun 13.00); a5=19.00(Sun 20.00)-13.00(Sat 14.00); a6=19.00-14.05; a7=19.00-12.30.
b=19.30(Sun 20.00)-14.00; b1=19.30(Sun 20.00)-13.30; b2=19.30-13.00(Sat 14.00); b3=19.30(Sun 21.00)-14.00(Sun 13.00); b4=19.30(Sun 21.00)-14.00(Sun 13.30); b5=19.30(Sun 21.00)-15.00; b6=20.00(Sun 22.00)-12.00(Sat 14.00, Sun 12.30); b7=19.30-12.15; b8=19.30-12.30; b9=19.30(Sun 21.00)-14.00(Sun 13.00); b10=19.30(Sun 21.00)-13.00(Sat 14.00, Sun 12.30); b11=19.30(Sun 21.00)-13.45; b12=19.30(Sun 20.00)-14.00(Sat 15.00, Sun 13.15); b13=19.30(Sun 21.30)-12.30(Sun 12.00); b14=19.30(Sun 22.00)-13.00(Sun 12.00); b15=19.30(Sun 21.00)-13.30(Sat 14.00); b16=19.30-13.30(Sat 15.00); b17=19.30(Sun 22.00)-13.00(Sat 13.30, Sun 12.30); b18=19.30(Sun 20.30)-13.30(Sat 14.00); b19=19.30 (Sun 20.00)-13.00(Sun 12.30); b20=19.30(Sun 21.00)-12.30(Sat 13.30); b12=19.30(Sun 21.45)-12.30(Sun 12.00); b22=19.30(Sun 21.30)-14.00(Sun 13.00); b23=19.30-16.00.
c=20.00(Sun 22.00)-13.00(Sun 12.00); c1=20.00(Sun 22.00)-13.30 (Sat 14.00); c2=20.00-12.30; c3=20.00(Sun 21.00)-13.00; c4=20.00-13.05(Sun 13.00); c5=20.00-13.30; c6=20.00(Sat 21.00, Sun 21.30)-12.30(Sat 14.00); c7=20.00(Sun 21.00)-13.30(Sat 14.00, Sun 13.00); c8=20.00(Sun 21.30)-12.30(Sat 13.00, Sun 12.00); c9=20.00(Sun 22.00)-12.30(Sat 13.00); c10=20.00(Sun 21.00)-12.30; c11=20.00(Sun 21.30)-12.30(Sat 14.00, Sun 12.00); c12=20.00 (Sun 22.00)-13.00(Sat 14.00, Sun 12.15); c13=20.00(Sun 22.00)-12.30; c14=20.00(Sun 22.30)-13.30(Sat 14.30); c15=20.00(Sun 22.15)-13.45(Sat 14.30, Sun 13.30); c16=20.00(Sun 22.15)-13.30 (Sat 14.30); c17=20.00(Sun 22.15)-14.30(Sun 13.30); c18=20.00-14.00(Sat 14.30, Sun 22.30) 13.30.

d=20.30(Sun 22.30)-13.00(Sun 12.30); e=20.45-03.00, 06.00-12.30; f=21.00-17.00; f2=21.00(Sun 22.45)-15.00(Sat 16.00, Sun 14.30); f3=Mon-Fri 21.00-06.30, 09.00-14.30, Sat 21.00-15.00, Sun 22.45-14.30; g=21.45-16.00; g1=21.45-15.00; g2=22.00-14.30; h=21.00-15.00(Sat 16.00); Sun 00.00-14.00; h1=22.00-16.00.

1) **R. Kempsey Ltd,** P.O. Box 136, West Kempsey. **Cable:** "2KM". **Te:** 36. **L.P:** Mgr: G. McBrian. **N** on the h & 21.45, 08.30. **Ann:** "2KM the twin tower st." **V.** by QSL-card. Rp.
2) **Broadc. St. 2BH,** P.O. Box 432, Broken Hill. **L.P:** Mgr: H. D. Morgan. Tec. Dir: R. E. Wright. **N:** 21.30, 02.30, 08.15, 12.30. **Ann:** "R. Silver City". **V.** by QSL-card. Rp.
3) **Transcontinental Broadc. Corp. Ltd,** Rural Bank Bldg, Katoomba. **Ann:** "Voice of the Mountains". **V.** by letter. Rp.
4) **Broadc. St. 2GB Pty. Ltd,** 136 Phillip St, Sydney, N.S.W. **Te:** 20360. **L.P:** Mgr: D. L. Foster. Dir. Tec: L. N. Schultz. **N:** Every h on the h. **Ann:** "Number one in Sydney". **V.** by QSL-card.
5) **Richmond River B.Casters Pty. Ltd,** Bruxner Highway, Goonellabah, Lismore. **Te:** 2351. **L.P:** Mgr: P. le Brun. Dir. Tec: H. Green. **N:** 20.30, 21.30, 22.30, 02.00, 08.30, 12.00. **Ann:** "The Voice of Summerland". **V.** by letter. Rp.
6) **Cooma B.Casters Pty. Ltd,** Box 58, Cooma. **Te:** 21234. **L.P:** Man. Dir: J. S. Scott. **N:** 20.00, 20.45, 21.45, 22.08, 00.25, 16.00, 09.00, 09.15, 13.00 and hourly 14.00-19.00. **V.** Prepared card and postage required for QSL.
7) **2UE Sydney Pty. Ltd,** 237 Miller St, No. Sydney.
8) **Country Broadc. Sces. Pty. Ltd,** P.O. Box 465, Orange. **L.P:** Gen. Mgr: A. Ridley. **N:** on the h. **Ann:** "2GZ Central New South Wales". **V.** by letter.
9) **Broadc. St. 2KY,** Orwell St, Potts Point. (Owned by the Labour Council of New South Wales). **Te:** 353051. **L.P:** Mgr: L. R. Hood. Dir. Tec: L. A. Spinner. **N:** every h on the h. **Ann:** "2KY in Centre of Your Radio Dial". **V.** by QSL-card. Rp.
10) **Canberra B.Casters Pty. Ltd,** Box 163 City, Canberra. **Te:** 41234. **L.P:** Mgr: P. R. Carrodus. Dir. Tec: H. T. Beazley. **N.** at 19.30 then every h. **Ann:** "2CA the Two State Station". **V.** by QSL-card.
11) **2RG B.Casters Pty. Ltd,** Ulong St, Griffith. **Te:** 877. **L.P:** Mgr: W. R. Gamble. Dir. Tec: S. Savage. **N:** every h on the h 20.00-13.00 and at 20.00, 21.30, 22.30, 02.30, 08.30. **Ann:** "2RG Griffith". **V.** by letter.
12) **2MO Gunnedah Pty. Ltd,** P.O. Box 62, Gunnedah. **L.P:** Mgr: L. Worms. **N:** every h on the h 20.00-12.00 and at 21.30, 02.30, 08.30. **V.** by letter. **Publ:** Prgr. schedule free.
13) **Commonwealth Broadc. Corp. Pty. Ltd,** 365 Kent St, Sydney, N.S.W. **L.P:** Gen. Mgr: L. C. Hynes. N., every h on the h. **V.** by letter.
14) **New England B.Casters Pty. Ltd,** 123 Rusden St, Armidale. **L.P:** Mgr: R. V. Brislan.
15) **Airsales Pty. Ltd,** Maitland St, Sandgate. **Te:** 68311. **L.P:** Gen. Mgr: O. J. Story. **N:** half hourly. **Ann:** "First in Newcastle". **V.** by QSL-card.
16) **Riverina B.Casters (Holdings) Pty. Ltd,** 16 Fitzmaurice St, Wagga Wagga. **Te:** 2124. **L.P:** Mgr: C. Barrett. Dir. Tec: R. Abraham. **N:** on the h and at 20.30, 21.30, 22.30, 02.30. **Ann:** "R. Riverina". **V.** by letter.
17) **Broadc. St. 2CH,** 47 York St, Sydney (Owned by N.S.W. Council of Churches operated by Amalgamated Wireless (Australasia) Ltd.). **Te:** 293322. **L.P:** Gen. Mgr. H. R. Huntley. Dir. Tec: R. R. Davis. **V.** by QSL-card. Rp.
18) **Northern B.Casters Pty. Ltd,** P.O. Box 3, Inverell. **Te:** 1102. **L.P:** Dir. Tec: B. H. Mason. **N:** 21.30, 02.00, 09.00. **Ann:** "2NZ, Northern New South Wales". **V.** by letter. Rp.
19) **Grafton Broadc. Co. Ltd,** P.O. Box 276, Grafton. **Te:** 964. **L.P:** Mgr: K. J. Armour. Dir. Tec: W. Rowe. **N:** On the h and 19.30, 19.33, 20.30, 21.30, 22.30, 02.30, 08.30. **V.** by letter. Recordings accepted. Rp. **Pub:** Prgr. schedule free.
20) **Western B.Casters Pty. Ltd, P.O.** Box 44, Dubbo. **Te:** 3214. **L.P:** St. Mgr: R. Ferguson. Dir Tec: M. H. Weiland. **N:** every h. **Ann:** "The st. with the Exciting sound". **V.** by QSL-card.
21) **Broadc. St. 2SM Pty. Ltd,** G.P.O. Box 4092, Sydney. **Te:** 29.5381. **L.P:** Gen Mgr: W. H. Stephenson. Dir. Tec: R. B. Blades. **N:** On the h and half h 19.00-14.00, on the h 14.00-19.00. **Ann:** "Good Guy Radio". **V.** by QSL-card.
22) **Tamworth R. Development Co. Pty. Ltd,** P.O. Box 497, Tamworth. **Te:** 59274. **L.P:** Mgr: K. Knapp. Dir. Tec: O. E. Bartle. **Ann:** "This is 2TM, Northern New South Wales". **V.** by QSL-card. Rp.
23) **Young B.Casters Pty. Ltd,** 24 Lovell St, Young. **Te:** 27. **L.P:** Mgr: J. H. Finlayson. Dir. Tec; E. Eastley. **N.** Summaries (hourly) & 21.30, 02.30, 08.30. **Ann:** "2LF, the friendly St." **V.** by QSL-card. Recordings accepted. Rp for return of tapes only.
24) **Hunter B.Casters Pty Ltd,** 56 Hunter St, Newcastle. **Te:** 21573. **L.P:** Mgr: K. C. Robinson. Dir. Tec: A. S. Mather. **N:** hourly. **Ann:** "2NX Newcastle". **V.** by QSL-card. Rp.
25) **Lithgow B.Casters Pty. Ltd,** P.O. Box 21, Lithgow. **Te:** 3321. **L.P:** Mgr: F. Harper. Dir. Tec: A. McInante. **N:** Every half h. **Ann:** "Gateway to the Central West". **V.** by QSL-card. **Rp.**
26) **Goulburn Broadc. Co. Pty. Ltd,** McKell Place, Goulburn. **Te:** 21.3377. **L.P:** Mgr: D. O'Reilly. Dir. Tec: G. Sangster. **N:** every h on the h. **Ann:** "2GN, Your Southern Tablelands St". **V.** by letter. Rp.
27) **Parkes Broadc. Co. Pty. Ltd,** P.O. Box 295, Parkes. **Te:** 621122. **L.P:** Mgr: N. T. Spicer. Dir. Tec: G. F. Carter. **N:** half hourly 20.00-23.00, hourly 00.00-close, also at 21.30, 08.30. **Ann:** "Voice of the Golden West". **V.** by letter. Rp.
28) **R.2KO Newcastle Pty. Ltd, P.O.** Box 300, Newcastle. **Te:** 23836. **L.P:** Mgr: C. J. Derwin. Dir. Tec: M. Spitzkowsky. **N:** Every half h at 19.00-23.00, hourly 23.00-14.00. **Ann:** "R.2KO Newcastle". **V.** by QSL-card.
29) **Woollongong B.Casters Pty. Ltd,** Box 34, Woollongong. **Te:** 2-6726. **L.P:** Mgr: W. Gibson. Dir. Tec: A. J. Yeldon. **N:** every h and half h. **Ann:** "The New WL". **V.** by card and letter for detailed and accurate reports from listeners from outside N.S.W.
30) **Tweed Radio Broadc. Co. Pty. Ltd,** P.O. Box 53, Murwillumbah. **Te:** 888. **L.P:** Mgr: W. G. Diamond. Dir. Tec: N. D. Carpenter. **N:** every h on the h. **Ann:** "2MW Murwillumbah, the Tweed and Gold Coast St". **V.** by QSL-card. Rp.
31) **Mudgett Broadc. Co. Pty. Ltd,** Wellington Rd, Mudgett. **Te:** 21-777. **L.P:** Mgr: R. Camplin. Dir. Tec: J. Sullivan. **N:** Every h on the h 20.00-12.00; also 20.30, 21.30, 22.30, 08.30. **Ann:** "R. Wonderful". **V.** by QSL-card.
32) **Hunter B.Casters Pty. Ltd,** 100 Bridge St, Muswellbrook. **Te:** 565. **L.P:** Mgr: S. O'Shea. Dir. Tec: A. Mather. **N:** half hourly 20.00-22.00, on the h 23.00-02.00, 03.30, on the h 04.00-08.00, 08.30, on the h 10.00-13.00, 13.55. **Ann:** "Voice of the Upper Hunter". **V.** by QSL-card. Rp.
33) **R. 2BE Pty. Ltd,** P.O. Box 77, Bega. **L.P:** Gen. Mgr: J. A. Kerr. **V.** by letter. Rp.
34) **Amalgamated Wireless (A'asia) Ltd,** Dean St, Albury. **Te:** 213288. **L.P:** Mgr: E. J. Pattison. Dir. Tec: J. W. James. **N:** half hourly 20.00-22.00, on the h 22.00-01.00, 02.30, 03.30, on the h 04.00-07.00, 08.30, 10.00, 12.00, 13.00. **Ann:** "2AY, your two state st, serving Southern New South Wales and North Eastern Victoria". **V.** by letter. Rp.
35) **Bathurst B.Casters Pty. Ltd,** 109 George St, Bathurst. **Te:** 3322. **L.P:** Mgr: W. Touhey. Dir. Tec: R. Upfold. **N:** on the h. **Ann:** "Centre of the Golden West". **V.** by QSL-card.
36) **Southern Riverina B.Casters Pty. Ltd,** 368 George St, Deniliquin. **Te: 1131. L.P:** Mgr: P. N. Charley. Dir. Tec: E. Scoones. **N:** Every half h 20.30-22.30, 02.30, 03.00, 03.30, 08.30. **Ann:** "2QN Deniliquin". **V.** by QSL-card. Rp.
37) **Moree Proadc. and Development Co. Ltd,** 93 Balo St, Moree. **Te:** 101. **L.P:** Mgr: R. Morrisby. Dir. Tec: R. Lasker. **N:** half-hourly 19.00-22.30, hourly 23.00-14.00. **Ann:** "Radio 2VM". **V.** by letter.
38) **Manning Valley B.Casters Pty. Ltd,** P.O. Box 275, Taree. **Te:** 11.00. **L.P:** Mgr: H. McCrindle. **N:** Every half h 19.30-22.30; every h 23.00-13.00. **Ann:** "Voice of the Mid North Coast". **V.** by QSL-card. Rp.
39) **Associated Broadc. Sce's Ltd,** P.O. Box 84, Warragul. **Te:** 21431. **L.P:** Mgr: C. McL. Cameron. Dir. Tec: A. K. McLennan. **N:** On the hour and at 02.30, 08.30. **Ann:** "3UL, Central Gippsland". **V.** by letter. Rp.
40) **Nilsens Broadc. Sce. Pty. Ltd,** 45 Bourke St, Melbourne. **Te:** 63.3511. **N:** On the h and half h. **Ann:** "3UZ Melbourne". **V.** by QSL-card.
41) **Amalgamated Wireless (A'asia) Ltd,** Pall Mall, Bendigo. **Te:** 30661. **L.P:** Mgr: A. P. Scown. Dir. Tec: W. S. Moore. **N:** 19.30, 20.00, 20.30, 20.45, 21.30, 21.45, 22.30, 23.30, 00.30, 01.30, 02.30, 03.30, 04.30, 05.30, 06.30, 07.30, 08.00, 08.50, 12.00, 13.30. **Ann:** "3BO, No. 1 in Ce. Victoria". **V.** by letter. Rp.
42) **Victorian Broadc. Network Ltd,** 37 Gray St, Hamilton. **Te:** 316. **L.P:** Mgr: K. Barnes. Dir. Tec: E. Cunningham. **N:** 21.30, 02.30, 08.30, 12.00. **Ann:** "R. Western" or "First for Sport". **V.** by letter.
43) **The Herald-Sun St's,** 61 Flinders Lane, Melbourne 3000. **Te:** 63-5451. **L.P:** Gen. Mgr: R. C. Crawford. Dir Tec: E. M. Hooper. **N:** On the h. **Ann:** "3DB/3LK, the Herald-Sun Stations" (19.30-15.00), "Herald-Sun Radio 3DB" (15.00-19.30). **V.** by QSL-card. (3LK Lubeck relay.)
44) **Colac B.Casting Co. Pty. Ltd,** 241 Murray St, Colac. **Te:** 9061, **L.P:** Mgr: C. S. Faulkner. Dir. Tec: C. A. Cullinan. **N:** Tues-Sat 21.45, 22.05, 22.30, 02.30, 03.15*, 08.30, 11.00* (*=not Sat); Sun 22.45, 02.30, 08.30, 11.00; Mon 21.45, 02.30, 03.15, 08.30, 11.00. **Ann:** "Your Western District St". **V.** by QSL-card. Rp. essential.
45) **3KZ B.Casting Co. Pty. Ltd,** 64 Elizabeth St, Melbourne. **Te:** 636311. **L.P:** Gen. Mgr: L. J. Hyle. Dir. Tec: B. Perry. **Ann:** "3KZ, Melbourne". **V.** by QSL-card. Rp. Recordings accepted.
46) **Associated Broadc. Sces. Pty. Ltd,** P.O. Box 255, Warrnambool. **Te:** 8088. **L.P:** Mgr: J. Walker. Dir. Tec: S. G. Green. **Ann:** "3YB, the st. with the happiest listeners". **V.** by QSL-card. Rp.
47) **V.B.N. Ltd,** Stawell St, Sale.

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48) **Associated Broadc. Sces. Ltd,** P.O. Box 205, Shepparton. **Te:** 9151. **L.P:** Man. Dir: S. J. A. Kemp. Dir. Tec: W. Ryan. **N:** On the h. **Ann:** "3SR, Heart of Victoria".

49) **R. Melbourne 3AW,** 374 Latrobe St, Melbourne. **Te:** 3296666. **L.P:** Gen. Mgr: R. Fowell. Dir. Tec: R. Kinley. **N:** 21.00, 21.30, 02.30, 08.30, 14.00. **Ann:** "Radio Melbourne, 3AW". **V.** by letter.

50) **Ballarat B.Casters Pty. Ltd,** Box 360, Ballarat. **Te:** 2-5068. **L.P:** Gen. Mgr: E. J. W. Whykes. Dir. Tec: E. K. Ridgeway. **N:** on the h exc. 22.00; also at 21.30, 22.30, 02.30, 12.30, 13.30. **Ann:** "3BA Ballarat". **V.** by QSL-card and letter. Rp. Recordings accepted.

51) **V.B.N. Ltd,** P.O. Box 504, Swan Hill. **Te:** 22768. **L.P:** Mgr: H. Lithgow. Dir. Tec: B. Walsh. **N:** 21.30 (not Sun), 22.45 (Sun), 02.30, 02.45, 08.30, 12.00 (not Sat). **Ann:** "R,3SH, the Central Voice of the Murray Valley". **V.** by QSL-card.

52) **Geelong B.Casters Pty. Ltd,** P.O. Box 176, Geelong. **Te:** 9-4131. **L.P:** Dir. Gen: R. A. Cook. Gen. Mgr: J. R. Morwood. Dir. Tec: J. C. Mathews. **Ann:** "3GL, the Geelong Advertiser st." **V.** by QSL-card.

53) **Efftee B.Casters Pty. Ltd,** 222 Faraday St, Carlton. **Te:** 34-5191. **L.P:** Mgr: R. J. Baeck. Dir. Tec: W. Chamberlain. **D.Prgr: N:** On the h. **Ann:** "The st. with the Happy Difference". **V.** by QSL-card.

54) **V.B.N. Ltd,** P.O. Box 79, Maryborough, Victoria. **L.P:** St. Mgr: Ken J. Parker. Dir. Tec: W. D. Harper. **D.Prgr: N:** half hourly. **V.** by letter.

55) **Sunraysia B.Casters Pty. Ltd,** P.O. Box 539, Mildura, Vic. **L.P:** St. Mgr: M. Folie. **V.** by letter.

56) **General TV Corporation,** P.O. Box 100, Richmond. **Te:** 42-0201. **L.P:** Gen. Mgr: N. Dick. Dir. Tec: R. J. Biddle. **N:** On the h and half h. **Ann:** "3AK, the Voice of Television City". **V.** by QSL-card.

57) **Wangaratta Broadc. Co. Pty. Ltd,** P.O. Box 167, Wangaratta. **Te:** 2051. **L.P:** Mgr: D. C. de la Rue. Dir. Tec: K. T. Gleeson. **D.Prgr: Italian** Wed 11.00. **DX-Prgr: "World at Your Fingertips"** Sun 12.35. **N:** half-hourly to 23.00, then hourly. **Ann:** "Voice of the North-East". **V.** by letter.

58) **Coastal B.Casters Pty. Ltd,** 38 Rankin St, Innisfail, No. Qld. **Te:** 612277. **L.P:** Mgr: D. Beard.

59) **Labor Broadc. St. Pty. Ltd,** P.O. Box 398F, Brisbane. **Cable:** Fourq. **L.P:** Mgr: L. W. Beioley. Dir. Tec: A. L. Price. **N:** 21.45, 22.45, 00.25, 02.30, 03.30, 06.00, 07.00, 12.00, 13.10, 14.00. **V.** by QSL-card.

60) **Amalgamated Wireless (A'asia) Ltd,** Stanley St, Townsville. **Te:** 4165. **L.P:** Mgr: K. Duncan. Dir. Tec: G. S. Ericksson. **N:** 20.00, 20.45, 21.25, 21.45, 22.25, 00.00, 02.30, 02.45, 03.45, 06.00, 08.00, 09.00, 12.30, 13.00. **Ann:** "4TO, the Townsville st." **V.** prepared card from listeners.

61) **Broadc. St. 4GR,** 453 Ruthven St, Toowoomba. **Te:** 2-3333. **L.P:** Mgr: R. J. Stevenson, Dir. Tec: R. H. Hildred. **N:** 19.30* 20.00, 20.30*, 20.45*, 21.00 (Sun), 21.30*, 21.45*, 22.00, 22.30*, 22.45, 01.20*, 02.15 (Sat), 02.30 (not Sat), 04.30**, 05.55**, 08.00**, 09.00, 11.00*, 10.00**, 12.00. * not Sun; ** not Sat/Sun. **Ann:** "The Modern Sound of Radio". **V.** by letter. QSL-card being prepared.

62) **Warwick Broadc. Co. Pty. Ltd,** Palmerin St, Warwick. **Te:** 8. **L.P:** Mgr: W. O. Kinane. Dir. Tec: R. van Poecke. **N:** 20.45, 21.45, 22.00, 02.30, 03.00, 08.30, 09.00. **Ann:** "The South Queensland St." **V.** by letter.

63) **Charleville Broadc. Co. Ltd,** P.O. Box 84, Charleville. **Te:** 221. **L.P:** Mgr: W. D. Eversen. Dir. Tec: F. W. Davidson. **N:** 20.15* (Sun only), 20.30*, 21.45*, 23.00 (Sun), 02.30, 09.00. * not Sun. **Ann:** "Voice of the Far South West". **V.** by QSL-card.

64) **Ayr B.Casters Pty. Ltd,** P.O. Box 880, Townsville. **Te:** 4191. **L.P:** Mgr: G. T. Schmid. Dir. Tec: J. Oost. **N:** 20.45, 21.15, 21.45, 22.27, 02.30, 02.45, 08.30, 09.00. **Ann:** "4AY, the Voice of the North, on Tall Tower Power". **V.** by letter. Rp.

65) **Rockhampton Broadc. Co. Pty. Ltd,** East St, Rockhampton. **Te:** 2-2541. **L.P:** Mgr: E. J. Rheuben. Dir. Tec: E. C. Semfel. **N:** 21.45 (not Sun), 22.45 (Sun), 02.15 (Sat only), 02.30 (not Sat/Sun), 09.00. **Ann:** "4RO, the Voice of Capricornia". **V.** by QSL-card and letter.

66) **Amalgamated Wireless (A'asia) Ltd,** Shields St, Cairns. **L.P:** St. Mgr: J. B. Powell.

67) **So. Queensland Broadc. Corp. Pty. Ltd,** P.O. Box 165, Ipswich. **Te:** 81-2677. **L.P:** A. W. Brandt. Dir. Tec: W. G. Dodd. **D.Prgr: N:** 20.00, 20.15, 20.45, 21.15, 21.45, 00.30, 02.30, 04.30, 05.55, 09.00, 12.00. **Ann:** "Colour Radio 41P, the st. with the Happy Difference". **V.** by letter & QSL-card. Recordings accepted. Rp. only if tape is to be returned.

68) **So. Burnett Broadc. Co. Pty. Ltd,** P.O. Box 305, Kingaroy. **Te:** 202. **L.P:** Mgr: G. Parker. Dir. Tec: B. Whitnall. **N:** 20.00, 20.45, 21.45, 01.00, 02.30, 05.30, 06.00, 07.00, 07.45, 09.00, 11.00, 12.00. **Ann:** "4SB South Burnett". **V.** by QSL-card. Rp.

69) **Ce. Queensland Broadc. Corpo,** Box 20, Longreach. **Te:** 224. **L.P:** St. Mgr: I. Elstob. Dir. Tec: G. Nixon. **N:** 20.03, 20.45, 21.45, 02.30, 03.30, 06.00, 09.00, 11.00. **Ann:** Colour Radio 4LG, R.4LG, the st. with the happy difference". **V.** by letter. Recordings accepted.

70) **Commonwealth Broadc. Corp. (Q'ld) Ltd,** Wharf St, Brisbane. **Te:** 31-1311. **L.P:** Mgr: M. E. W. Baker. Dir. Tec: N. J. Bishop. **N:** 20.00, 20.45, 21.45, 01.00, 02.30, 04.00, 05.55, 09.00, 11.00, 12.00, 14.00. **Ann:** "Most People Listen to 4BC". **V.** by letter.

71) **Maryborough Broadc. Co. Ltd,** 363 Kent St, Maryborough, Queensland. **L.P:** St. Mgr: G. W. Robertson.

72) **Gold Coast R. Broadc. Co. Pty. Ltd,** P.O. Box 174, Southport, Qld. **Te:** 95555. **L.P:** Mgr: R. J. Taylor.

73) **Brisbane Broadc. Pty,** 93 Queen St, Brisbane 4000. **Te:** 31-1381. **L.P:** Gen. Mgr: H. I. Marshall. Dir. Tec: J. Kingsford. **N:** 19.30, 20.00, 20.25, 20.45, 21.45, 02.30, 04.30, 05.45, 09.00, 11.00, 12.00. **Ann:** "4BK Brisbane, 4AK Darling Downs". **V.** by QSL-card. Rp. Recordings accepted.

74) **Maroochy Broadc. Co. Ltd,** P.O. Box 279, Nambour, Qld. **Te:** 1099. **L.P:** Dir. Gen: J. P. Carolan. Gen. Mgr: P. M. Maher. Dir. Tec: D. Price. **N:** 20.00, 20.45, 21.05, 21.45, 00.25, 02.30, 03.30, 09.00, 11.00. **Ann:** "4NA Nambour, the Sunshine Coast St." **V.** by letter. Rp.

75) **Bundaberg B.Casters Pty. Ltd,** P.O. Box 105, Bundaberg. **Te:** 2478. **L.P:** Mgr: N. McCormack. Dir. Tec: H. Clayton. **N:** 20.00, 20.45, 21.45, 02.30, 03.30, 09.00, 11.00. **Ann:** "4BU Bundaberg". **V.** by QSL-card.

76) **Gympie Broadc. Co. Ltd,** 98 Mary St, Gympie. **L.P:** St. Mgr: A. H. Buzacott. **V.** by letter. Rp.

77) **No. Queensland Broadc. Corp. Pty. Ltd,** P.O. Box 432, Mount Isa. **Te:** 316. **L.P:** Mgr: G. Atthow. Dir. Tec: A. Smith. **D.Prgr: N:** 20.00, 21.45, 22.45, 02.30, 03.30, 09.00, 11.00. **Ann:** "Colour Radio 4LM". **V.** letter. Rp.

78) **Mackay Broadc. Sce. Pty. Ltd,** 38 Gordon St,, Mackay. **L.P:** Gen. Mgr: M. E. Low. **Ann:** "The Voice of the Barrier Reef". **V.** by QSL-card.

79) **B.Casters (Aust) Pty. Ltd,** G.P.O. Box 906M, Brisbane. **Te:** 22002. **L.P:** Mgr: N. Llewelyn. Dir. Tec: A. Judge. **N:** hourly. **Ann:** "4BH Brisbane, Key st. of the Macquarie Broadc. Netw." **V.** by letter.

80) **Maranoa Broadc. Co. Ltd,** P.O. Box 22, Roma. **Te:** 80585. **L.P:** Mgr: C. J. Taylor. **N:** 22.45 (not Sun), 02.30, 09.00. **Ann:** "This is your feature st, 4ZR". **V:** by QSL-card. Recordings accepted.

81) **River Murray Broadcasters Pty. Ltd,** P.O. Box 118, Berri. **Te:** 80. **L.P:** Mgr: L. J. Bradley. Dir. Tec: H. F. Lloyd. **N:** hourly on the h. **Ann:** "The Voice of the Murray". **V.** by QSL-card.

82) **Hume B.Casters Ltd,** 201-205 Tynte St, No. Adelaide. **L.P:** St. Mgr: J. S. Larkin. **N:** every h on the half h.

83) **Advertiser Broadc. Network,** G.P.O. Box 392, Adelaide. **Te:** 51-0425. **L.P:** Mgr: J. Sutton. Dir. Tec: J. L. Schaumloffel. **N:** on the h and half h exc. 03.30-06.30 & 15.00-19.00. **Ann:** "St. 5AD, on 1310". **V.** by QSL-card. (Rel. st's: 5PI Crystal Brook, 5SE Mount Gambier, 5MU Murray Bridge.)

84) **5KA B.Casters Pty. Ltd,** 43 Franklin St, No. Adelaide. **Te:** 51-5511. **L.P:** Mgr: K. R. Parham. Dir. Tec: G. E. Mathews. **N:** 30 min past each h. **Ann:** "5KA City". **V.** by QSL-card. Rp.

85) **Broadc. St. 5AU,** P.O. Box 247, Port Augusta. **Te:** 2941. **L.P:** Dir. Gen. K. R. Parham. Gen. Mgr: N. W. Bradley. Dir. Tec: B. E. Martin. **D.Prgr:** N: on the h. **Ann:** "The Voice of the North". **V.** by letter. Rp.

86) **Albany B.Casters Pty. Ltd,** P.O. Box 293, Albany. **Cable:** Sixva. **L.P:** St. Mgr: T. Furlong. Dir. Tec: M. Hoffman. **D.Prgr: N:** 22.00, 22.45, 23.45, 04.30, 07.30, 11.00. **V.** by letter.

87) **Whtiford's Broadc. Network,** Box D187, GPO, Perth 6001. **Te:** 21-2201. **L.P:** Mgr: D. E. Muir. Dir. Tec: H. A. Taylor. **N:** every 30 min. **V.** by QSL-card. (Relay st's: 6AM Northam, 6KG Kalgoorlie, 6GE Geraldton.)

88) **Nicholson's Broadc. Sce,** 340 Hay St, East Perth. **L.P:** Gen. Mgr: G. C. Lewis. St. Mgr: J. A. Ashton. **D.Prgr:** 24h.

89) **West Australia B.Casters Pty. Ltd,** 38 Mounts Bay Rd, Perth. **L.P:** Mgr: J. T. Hunn. Dir. Tec: C. H. Muhling. **N:** Usually 5 min before the h. **V.** by letter. Rp. (St's: 6BY, 6WB. 6IX, 6MD.)

90) **Westland B. Co. Ltd,** 17-19 James St, Perth. **Te:** 28-1525. **L.P:** Mgr: J. W. Hugall. Dir. Tec: K. J. Cantelo. **N:** Every h on the h. **V.** by QSL-card. Rp.

91) **Broadc. St. 6TZ,** 7 Wittenoom St. Bunburry. **Te:** 2183. **L.P:** Mgr: B. P. O. Dwyer. Dir. Tec: C. Robson. **N:** On the h. **Ann:** "R. Centre of the South West". **V.** Prepared card and Rp required for verification. (Rel. st: 6CI.)

92) **No. Ea. Tasmania R. B.Casters Ltd,** P.O. Box 109, Scottsdale. **L.P:** Mgr: B. Scetrine. **V.** by QSL-card.

93) **Burnie Broadc. Sce. Pty. Ltd,** P.O. Box 120, Burnie 7320. **Te:** 31-2555. **L.P:** Mgr: C. W. Nunn. Dir. Tec: B. Eyres. **V:** by QSL-card.

94) **West Coast B.Casters Pty. Ltd,** P.O. Box 315, Queenstown. **L.P:** Mgr: H. Ebrall. **V.** Reports not wanted.

95) **Comm. B.Casters Pty. Ltd,** G.P.O. Box 542F, Hobart 7001. **Te:** 80321. **L.P:** Mgr: A. B. Brown. Dir. Tec: R. M. McCarthy. **N:** Every h on the h and at 19:30, 20.30, 21.30, 22.30, 02.30,

03.30, 08.30. **Ann:** "R. Hobart — 7HO". **V.** by QSL-card or letter. Recordings accepted.
96) **No. Tasmania B.Casters Pty Ltd,** 48 Rook St, Devonport. **Te:** 22412. **L.P:** Mgr: M. Evans. Dir. Tec: B. Eyre. **N:** 21.45, 22.07, 02.30, 08.45, 12.00. **V.** by QSL-card. Rp.
97) **7EX Pty. Ltd,** Watchorn St, Launceston. **Te:** 42492. **L.P:** Mgr: A. E. McGelland. Dir. Tec: R. J. Abraham. **N:** Every h. **Ann:** "The Top St." **V.** Prepared card required.
98) **Metropolitan B.Casters Pty. Ltd,** G.P.O. Box 572F, Hobart. **Te:** 33157. **L.P:** Mgr: J. V. Howell. Dir. Tec: F. B. Klein. **N:** 20.00, 20.55, 00.25, 02.30, 06.00, 09.00, 11.00, 12.00, 13.00, 13.55. **Ann:** "7HT the Heart of Hobart". **V.** by letter.
99) **Findlay & Wills B.Casters Pty. Ltd,** The Quadrant, Launceston. **Te:** 2-1551. **L.P:** Mgr: R. E. Ward. Dir. Tec: R. B. McLean. **N:** Every half h at 19.45-21.45, 22.30, 00.30, 02.30, 03.30, 05.30, 08.45, 11.00, 12.00, 13.00. **Ann:** "The Number One Station". **V.** by QSL-card.
100) **Darwin B.Casters Pty. Ltd,** 16 Smith St, West Darwin. **L.P:** St. Mgr: D. H. Charlton. Sen. Technician: J. Lane. **V.** by letter. Rp.

## COOK ISLANDS (N.Z. Territory)

**L.T:** GMT — 10½ h — **Pr.L:** English, Maori.

**RADIO COOK ISLANDS (Gov.)**
**ADDR:** Rarotonga. **Te:** 100. **L.P:** Officer in Charge: P. F. Henderson. Dir. Tec: S. Kingan.
**STATIONS** (G.C: 159.48W/21.11S): mw=0.15kW.

| Call | kHz | m | Call | kHz | m | Call | kHz | m |
|---|---|---|---|---|---|---|---|---|
| ZK1ZA | 820 | 365.9 | ZK5 | 5045 | 59.46 | ZK4 | 11760 | 25.51 |
| ZK6 | 3265 | 91.87 | ZK3 | 9695 | 30.94 | | | |

**HOME SCE. in English, Maori:** Mon-Fri: 20.30-23.30 on 820/9695/11760kHz, 04.30-08.30 on 820/11760kHz; Sat: 04.30-07.30 on 820/3265/5045kHz.
**N: English:** 22.45, 04.32, 07.30 (rel. R. New Zealand), 07.40 (Tues), 08.15 (Thurs), 07.40 (Sat). **Maori:** 22.55, 05.30 — **ANN:** "This is R. Cook Islands" — **INT-SIG:** Cook Islands Drum Beats — **V.** by QSL-card. Rp — **F.PL:** Mon-Sat Breakfast prgr: 16.30-18.30; 5kW tr's for 820/3265/5045kHz — **A.L.F:** $2.00.

## FIJI (British)

**L.T:** GMT + 12 h — **Pr.L:** English, Fijian, Hindustani.

**FIJI BROADCASTING COMMISSION**
(Independent Statutory Body, 50% comm. 50% cultural.)
**ADDR:** P.O. Box 334, Suva. **Cable:** Broadcom. **Te:** 22621 — **L.P:** Chmn: D. M. N. Mc Farlane, LLB, C.B.E/Mgr: G. M. Cullen. Dep. Mgr: G. H. King. Prgr. Organiser: P. B. Sloan. Adv. Mgr: G. Bezar. Dir. Tec: T. C. Agar.
**STATIONS** (G.C: 178.40 E/ 18.10 S). *) Sat. 11.00.

| kHz | m | kW | Languages | h. of tr. |
|---|---|---|---|---|
| 560 | 536 | 10 | English | 18.00-10.30* |
| 710 | 422 | 3 | Vernaculars | 18.00-10.30* |
| 840 | 357 | 1 | English | 04.00-10.30* |
| 890 | 337 | 2.5 | English/Hindu | 18.00-10.30* |
| 1320 | 277 | 2 | English | 18.00-03.45 |
| 3230 | 93.00 | 10 | English | 18.00-21.15, 04.00-10.30 |
| 3284 | 91.35 | 10 | Vernaculars | 18.00-21.15, 04.00-10.30 |
| 4756 | 63.08 | 10 | English | 21.15-03.45 |
| 4785 | 62.70 | 10 | Vernaculars | 21.15-03.30 |
| 5955 | 50.39 | 0.4 | English | 18.00-03.45 |
| 6005 | 49.96 | 0.4 | Vernaculars | 18.00-03.30 |

**HOME SERVICE: In English, Fijian and Hindustani:** W 18.00-10.30 (Sat 11.00), Sun 18.00-10.30. **English: N:** 18.15, 19.00 (BBC), 19.45, 20.00 (BBC), 01.00 (R.NZ), 01.30 (R. Australia), 07.00 (BBC), 09.00 (ABC) — **Local N. in Fijian:** W 18.15, 19.45, 01.15, 07.10 — **Wrp:** 19.00, 20.00, 01.30, 07.00 — **ANN:** "This is R. Fiji". Fijian: "Oqo na R. Fiji". Hindustani: "Yeh R. Fiji Hai" — **INT-SIG:** Beat of Fijian Lali (Log Drum) — **V.** by QSL-card — **FI:** by license payments and adv — **ALF:** £1/5/0.

## GILBERT and ELLICE ISLANDS (British Colony)

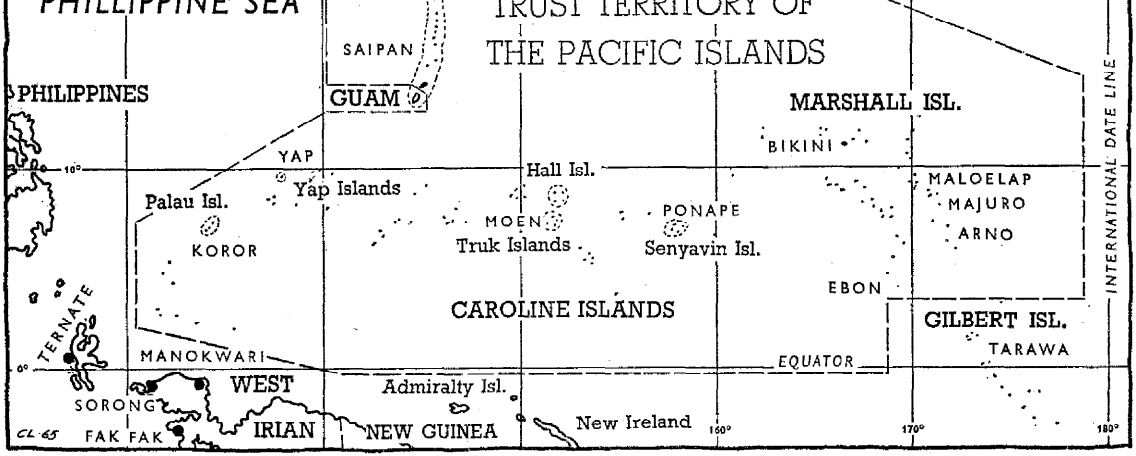
**L.T:** GMT+ 12 h — **Pr.L:** English, Gilbertese, Ellice.

**GILBERT AND ELLICE ISLANDS BROADCASTING SERVICE**
**ADDR:** Broadc. Office, Betio, Tarawa. **Cable:** Broadcasts — **L.P:** Dir: Reuben K. Uatioa.
**STATIONS:** VTW 844kHz 355.5m 0.05kW — VTW2 4912.5kHz 61.07m 2kW.
**HOME SCE. in Gilbertese and Ellice:** D exc. Thurs & Sat: 04.30-06.00 (Sun 06.30). **English:** Sun-Thurs: 18.45-20.00.
**ANN:** E: "Good evening (afternoon) listeners, this is the Voice of Tarawa". Gilbertese: "Kam no bane ni mauri ara taan kakauongo n te bakantaai aei, aio bon Banaan Tarawa". Ellice: "Talofa katoa koutou i te fakaafiafi nei, mea nei ko te Sikungaleo o Tarawa" — **INT-SIG:** Four notes gong — **V.** by form letter — **ALF:** Austr. £ 0.50.

## GUAM (U.S. Territory)

**L.T:** GMT+10 h — **Pr.L:** English, Chamorro, Philippine dialects.

**RADIO GUAM (Pr. Comm.)**
**ADDR:** P.O. Box 368, Agana, Guam. **Cable:** Kuam. **Te:** 7961 **L.P.** Pres: H. Scott Kilgore. Vice Pres. & Gen. Mgr: W. B. Nielsen.
**STATION:** KUAM 610 kHz 1kW — **HOME SCE. in English:** 20.00 (Sun 21.00)-14.00 (Sat 15.00) — **N:** Every h on the h. **ANN:** "Kuam Agana, Guam" — **INT-SIG:** Voice & Jingle Form (Orchestra & Voices) — **V.** by letter and QSL-card.



## HAWAII (U.S. State)

**L.T:** GMT−10 h — **Pr.L:** English, Japanese, Filipino.

**PRIVATE COMMERCIAL STATIONS**

| Call | kHz | kW | Network | Call | kHz | kW | Network |
|---|---|---|---|---|---|---|---|
| 1) KMVI | 550 | 1 | PBN | 13) KHVH | 1040 | 5 | CBS |
| 2) KGMB | 590 | 5 | PBN | 14) KHAI | 1090 | 5 | Indep. |
| 3) KORL | 650 | 10 | Indep. | 15) KIPA | 1110 | 1 | A1 |
| 4) KKUA | 690 | 10 | Indep. | 16) KLEI | 1130 | 1 | Indep. |
| 6) KGU | 760 | 10 | A1 | 17) KOHO | 1170 | 1 | |
| 7) KONA | 790 | 1 | A1 | 18) KZOO | 1210 | 1 | |
| 8) KIKI | 830 | 0.25 | Indep. | 19) KNDI | 1270 | 5 | Indep. |
| 9) KIMO | 850 | 1 | Indep. | 20) KNUI | 1310 | 1 | A1 |
| 10) KAIM | 870 | 5 | Indep. | 21) KPOI | 1380 | 5 | Indep. |
| 11) KAHU | 940 | 10 | Indep. | 22) KTOH | 1490 | 5 | PBN |
| 2) KPAU | 970 | 1 | PBN | 23) KUMU | 1500 | 1 | Indep. |
| 12) KTRG | 990 | 5 | Indep. | 24) KFOA- | 94.7 | 60 | Indep. |

1) **Maui Publishing Co,** P.O. Box 550, Wailuku, Maui 96793. **L.P:** Gen. Mgr: R. E. Mawson.

2) **Pacific Broadc. Co,** 1534 Kapiolani Blvd, Hilo 96720. **L.P:** Pres. & Gen. Mgr: C. Heftel. **V.** by letter. Recordings accepted.

3) **R. Hawaii Inc,** Box 8250, Honolulu 96815. **L.P:** Vice Pres. & Gen. Mgr: M. L. Hibdon.

4) **Hercules Broadc.** Co. P.O. Box 1479, Honolulu 96806. **L.P:** Gen. Mgr: H. G. Fernhead.

6) **The Copley Press,** P.O. Box 3110, Honolulu 96802. **L.P:** Gen. Mgr: W. O. Paine.

7) **Maunaloa Broad. Inc,** Box 816, Kealakekua, Kona 96750. **L.P:** Gen. Mgr: J. Lenk.

8) **KIKI Ltd,** 331-D Kamani St, Honolulu 96813. **L.P:** St. Mgr: R. Hagadone.

9) **Garrabrant Inc,** Box 1497, Hilo 96720. **L.P:** Pres. & Gen. Mgr: H. V. Garrabrant.

10) **Christian Broadc. Assoc,** P.O. Box 375, Honolulu 96810. L.P: Gen. Mgr: E. B. Gustavson. Dir. Tec: R. Lyon. **D.Prgr:** 14.30-10.05. **V.** by letter. Rp.

11) **Royal Hawaiian Radio Inc,** P.O. Box 1007, Waipahu. **L.P:** St. Mgr: H. E. Chu. Tec. Dir: R. Pearson. **D.Prgr:** 24 h. **V.** by QSL-card and letter. Recordings accepted. Rp.

12) **Hawaiian Paradise Park Corp,** 2227-A Kalakaua Ave, Honolulu 96315. **L.P:** Gen. Mgr: J. H. Russell.

13) **Western Telestations Inc,** 1290 AlaMoana, Honolulu 96814. **L.P:** Pres. & Gen. Mgr: L. S. Berger.

14) **Royal Broadc. Co. Inc,** Hawaiian Hotel, Honolulu. **L.P:** Gen. Mgr: B. Mullen.

15) **Big Island Broadc. Co,** P.O. Box 1602, Hilo 96720. **L.P:** Gen. Mgr: H. Gordon. Tec. Dir: R. W. Jaderstrom. **D.Prgr:** 15.00-08.15. **V.** by letter. Recordings accepted.

16) **Oahu Broadc,** 502 Kailua Rd, Kailua 96734. **L.P:** Gen. Mgr: J. Irvin.

17) **Cosmopolitan Broadc. Co,** 1140-A 12th Ave, Honolulu 96816. **L.P:** Gen. Mgr: H. Sato. **D.Prgr:** 14.30 (Sat, Sun 15.00)-10.00 (Sun 09.00). **N:** Every h on the h 16.00-08.00.

18) **Polynesian Broadc. Inc,** 250 Ward Ave, Suite 209, Honolulu 96814. **L.P:** Gen. Mgr: T. Kobayashi.

19) **R. St. KNDI,** P.O. Box 1516, Honolulu 96806. **L.P:** Gen. Mgr: J. T. Ownby. Dir. Tec: A. Rycraft. **D.Prgr:** 24 h, in E, Jap, Korean, Chinese, Filipino, German. **V.** by QSL-card.

20) **KNUI Broadc. Co,** Box 1310, Wailuku, Maui 96768. **L.P:** R. D. Vaught.

21) **KPOI Broadc. Co,** 1701 Ala Wai Blvd, Honolulu 96815. **L.P:** Gen. Mgr: T. Moffett.

22) **Kauai Broadc. Co,** Box 1748, Lihue, Kauai 96766. **L.P:** Gen. Mgr: T. Eto.

23) **John Hutton Corp,** 1148-12th Ave, Honolulu 96816. **L.P:** Gen. Mgr: J. Weiser.

24) **Golden Pacific Group,** Hilton Hawaiian Village Hotel, Honolulu. **L.P:** Gen. Mgr: J. Gregory.

## NEW CALEDONIA (French)

**L.T:** GMT + 11 h — **Pr.L:** French.

**RADIO NOUMEA (Gov — ORTF)**

**ADDR:** B. P. 327, Noumea. **Cable:** Radio Noumea. **Te:** 2856 — **L.P:** Dr. Le Leizour. Dir. Tec: G. Guesdon. Dir. N: H. de Camaret.

**STATIONS** (G. C: 166.26E/25.16S): 1420kHz 211m 8kW — 3355kHz 89.45m 4kW — 7170kHz 41.84m 4kW.

**HOME SCE. in French, Bichelamar (Pidgin):** On 1420/3355kHz: W 19.00-21.00, 23.30-02.00, 06.00-11.00; Sun 21.00-02.00, 06.00-11.00. On 7170kHz: 23.30-02.00 (Sun 21.00-02.00).

**N. in French:** 19.30, 20.00, 20.55, 00.00, 01.00, 07.00, 07.45, 10.55 — **Wrp:** 19.30, 19.55, 00.00, 01.00, 08.00, 09.00, 10.55 — **For New Hebrides:** Thurs 07.00-07.30 — **ANN:** "Ici Noumeâ, Office de Radiodiff, Télévision Francaise" — **INT-SIG:** Call of the cagou bird — V by QSL-card. Pp. Recordings accepted — **AD:** 19.00-20.00, 00.00-01.00, 01.15-01.20, 07.30-07.45.

## NEW HEBRIDES

**L.T:** GMT+11 h — **Pr.L:** English, French, Pidgin-English.

**RADIO VILA (Gov.)**

**ADDR:** Anglo-French Condominium Adm, Vila, New Hebrides, So. Pacific — **L.P:** Dir: M. L. FitzGerald.

**STATIONS** (G.C: 168.33E/17.44S): YJB3 3277kHz 91.55m 1kW YJB4 3905kHz 76.83m 0.5kw — YJB7 7260kHz 41.32m 0.5kW.

**HOME SCE:** Tues-Fri: 00.30-01.15 on 7260kHz, 06.15-07.00 on 3905kHz. Special broadc. may be outside above hrs. Trs at 22.00-05.00 will be on 7260kHz, between 05.00-08.00 on 3905kHz.

Refer all communications to The Director, Radio Vila, The New Hebrides Broadcasting Service, Vila, New Hebrides, South Pacific.

## NEW ZEALAND

**L.T:** GMT+12 h — **Pr.L:** English, Maori.

**NEW ZEALAND BROADCASTING CORPORATION**
(Statutory Public Body)

**ADDR:** P.O. Box 98, Wellington. **Cable:** Broadserv **Te:** 48.200 **L.P:** Dir. Gen: G. H. Stringer. Dir. of Eng: J. N. M. Norman. Dir. Sound Broadc: L. R. Sceats. Public Rel. Officer: L. Boyes.

| | Call | kHz | m | kW | h. of tr. |
|---|---|---|---|---|---|
| Wellington | 2YA | 570 | 526 | 100 | 24h** |
| Napier | 2YZ | 630 | 476 | 20 | 18.00-11.20 |
| Alexandra | 4YX | 640 | 468 | 2 | 24h |
| Wellington | 2YC | 660 | 455 | 60 | 05.00-11.00 |
| Christchurch | 3YA | 690 | 434 | 20 | 24h |
| Invercargill | 4YZ | 720 | 416 | 20 | 18.00-11.20 |
| Greymouth | 3ZA | 750 | 400 | 2 | 18.00-23.00 |
| Auckland | 1YA | 760 | 395 | 20 | 24h |
| Dunedin | 4YA | 780 | 384 | 20 | 24h |
| Wellington | 2YB | 800 | 375 | 20 | see below |
| Invercargill | 4ZA | 820 | 366 | 10 | 18.00-12.00 |
| Whangarei | 1YX | 830 | — | 2 | 18.00-11.20 |
| Masterton | 2XB | 840 | 357 | 2 | 18.00-10.30 |
| Rotorua | 1YZ | 860 | 349 | 10 | 18.00-11.20 |
| Auckland | 1YC | 880 | 341 | 10 | 05.00-11.00 |
| Dunedin | 4YC | 900 | 333 | 10 | 05.00-11.00 |
| Greymouth | 3YZ | 920 | 326 | 10 | 18.00-11.20 |
| Palmerston No. | 2ZA | 940 | 319 | 2 | 18.00-12.00 |
| Christchurch | 3YC | 960 | 312 | 10 | 17.00-11.00 |
| Whangarei | 1XN | 970 | 309 | 2 | 05.00-11.00 |
| Wellington | 2ZB | 980 | 306 | 20 | 18.00-12.00 |
| Tauranga | 1ZD | 1000 | 300 | 10 | 17.00-10.30 |
| Dunedin | 4ZB | 1040 | 288 | 10 | 18.00-12.00 |
| Gisborne | 2ZG | 1060 | 283 | 2 | 18.00-11.00 |
| Auckland | 1ZB | 1070 | 280 | 10 | 17.00-12.00 |
| Christchurch | 3ZB | 1100 | 273 | 10 | 18.00-12.00 |
| Wellington | 2YD | 1130 | 265 | 2 | 18.00-12.00 |
| Hamilton | 1YW | 1140 | 263 | 2 | 18.00-11.20 |
| Timaru | 3XC | 1160 | 258 | 2 | 18.00-11.00 |
| Gisborne | 2YW | 1180 | 254 | 2 | 18.00-11.20 |
| Wanganui | 2XA | 1200 | 250 | 2 | 18.00-11.00 |
| Kaikohe | 1XE | 1220 | 245 | 2 | 17.00-11.00 |
| Auckland | 1YD | 1250 | 240 | 2 | 18.00-12.00 |
| Napier | 2ZC | 1280 | 234 | 2 | 18.00-12.00 |
| Hamilton | 1XH | 1310 | 229 | 2 | 17.00-12.00 |
| Nelson | 2XN | 1340 | 224 | 2 | 18.00-11.00 |
| Rotorua | 1ZC | 1350 | 222 | 2 | 17.00-10.30 |
| New Plymouth | 2XP | 1370 | 219 | 2 | 18.00-11.00 |
| Christchurch | 3YD | 1400 | 214 | 2 | 18.00-12.00 |
| Tokoroa | 1ZO | 1420 | 212 | 2 | 17.00-11.20 |
| Dunedin | 4XD | 1430 | 210 | 0.25 | |
| Kaitaia | 1XA | 1440 | 208 | 2 | 17.00-11.00 |
| Westport | 3YW | 1460 | 205 | 2 | 18.00-11.20 |
| Taupo | 1ZA | 1500 | 200 | 2 | 18.00-11.20 |
| Taumarumui | 1ZU | 1520 | 197 | 1 | 17.00-11.20 |
| Blenheim | 2ZE | 1540 | 195 | 1 | 18.00-23.00 |
| Hawera | 2ZH | 1560 | 192 | 1 | 18.00-11.00 |

St. 2YB is on the air only when 2YA is broadc. direct from the House of Representatives.

**NEWS:** Stations 1YA/1YW/1YX/1YZ/2YA/2YW/2YZ/3YA/3YW/3YZ/4YA/4YX/4YZ: W. 18.00, 18.33, 19.00*, 19.30, 20.00*, 20.30, 21.00, 22.31 (not Sat), 00.33, 01.15, 03.31 (not Sat), 05.00 (not Sat), 06.30* 07.00, 09.03, 11.00*, 11.14: Sun 18.00*, 19.00*, 19.30, 20.00*, 20.30, 21.00, 21.33, 00.33, 01.30, 06.30*, 07.00, 09.03, 11.00* 11.14. *=BBC.

Stations: IZB/2ZB/3ZB/4ZB/4ZA (*Mon-Fri): W 18.00*, 18.30, 19.00, 19.30, 20.00, 20.30, 21.00, 22.00, 23.00, 00.00, 00.30*, 01.00, 01.30*, 02.00*, 03.00, 04.00*, 05.00*, 06.00, 07.00, 08.00, 09.00, 11.00; Sun 19.00, 20.00, 21.00, 22.00, 23.00, 00.00, 01.00, 03.00, 06.00, 07.00, 08.00, 09.00, 11.00.

**News in Maori** (1YA etc): Sun 05.50 — **Dominion Weather Forecasts** (1YA etc): D 19.14, 00.30, 04.00, 09.00 — **Rlg** (1YA

etc): W 22.00, Sun 23.00, 07.00 — **LL.** (French to Schools): Mon 02.45 (Feb-Aug).

**FOREIGN SCE: R. New Zealand**

**ADDR:** P.O. Box 98, Wellington. **Cable:** Broadserv. **Te:** 48-200. **L.P:** Distr. Mgr: J. L. Harstonge. Reg. Engineer: A. S. Chisholm. Prgr. Officer: H. W. Taylor-Smith.

**STATIONS** (G.C: 174.50E/41.05S): 7.5kW.

| Call | kHz | m | Call | kHz | m | Call | kHz | m |
|---|---|---|---|---|---|---|---|---|
| ZL7 | 6080 | 49.34 | ZL6 | 11705 | 25.63 | ZL21 | 15110 | 19.85 |
| ZL18 | 9520 | 31.51 | ZL3 | 11780 | 25.47 | ZL5 | 17770 | 16.88 |
| ZL2 | 9540 | 31.45 | ZL19 | 11830 | 25.36 | | | |

Two freq's are used simultaneously, and as the prgr. sched. is intended primarily for Australia and the Pacific Islands, the present aerials are beamed in those two directions. HS=Home Sce. prgr's.

**To Pacific Islands:** 17.00-19.45 HS on 9520/11780kHz; 20.00-05.45 HS on 15110kHz; 06.00-08.45 Special prgr. on 9520/11780 kHz (on Sun tr. on 9520kHz ends at 08.00).
**To Australia:** 20.00-05.45 on 17770 kHz, 09.00-11.45 Special prgr. on 9520/11705kHz.
**"Calling Antarctica"** (a prgr. of N, sporting review, "Family Corner" directed to N.Z. scientific personnel in the Ross Dependency): Sun 08.15-08.45 on 9520kHz.

**"Calling Samoa"** (in Samoan): 07.00-07.30 — **"Calling the Cook Islands"** (in Rarotongan): Wed 07.45-08.05, Sat 08.00-08.20 (repeat) — **"Calling Niue Island"** (in Niuean): Thurs 07.50 (fortnightly). Freq's as for "Pacific Islands".
**New Zealand News:** 00.45, 07.00, 10.00 — **Rlg:** W (in N.Z.) 22.00, Sun (in N.Z.) 23.30 — **DX-Prgr:** (Arthur Cushen's DX World) 1st Wed in month: 06.45, 10.30, repeated following Sat 23.45 (on 15110/17770kHz). Also in NXBC all night Nat. prgr. 3rd Fri at 14.15 — **"Lookout":** Sat 09.13, Sun 06.30 — **"Point of View":** Sun 09.13, Mon 07.00 — **"Mailbox":** Fri 07.00, 09.45 — **Maori Music:** Thurs 06.45, Fri 08.15, 09.00, Sun 10.15 — **"This is N.Z.":** Sun 07.45, 10.30, Tues 08.15, 09.30 — **Prgr. Previews:** 23.40, 06.09, 08.40, 08.55, 11.40.

**ANN:** "This is R. New Zealand" — **INT-SIG:** Call of the N.Z. Bellbird (at 5 second intervals) — **V. by** QSL-card (sea mail). Re. to Distr. Mgr, P.O. Box 2396, Wellington — **PUB:** "The N.Z. Listener" (Home Sce) 39sh (NZ) yearly. Prgr. schedule (free to overseas listeners) — **FI:** By licence payments & adv — **AD:** St's other than YA, YC, YZ and YW broadc. adv. on W **ALF:** £1-10-0.

## NORFOLK ISLANDS (Austr. Terr.)

**L.T:** GMT+11½ h — **Pr.L:** English.

**NORFOLK ISLANDS BROADCASTING SERVICE (Gov.)**
Owned by the Norfolk Island Adm. and under the technical direction of the Dept. of Civil Aviation — **ADDR:** Norfolk Island Administration, Kingston — **L.P:** Broadc. Officer: Mrs. L. Bataille. Official Secr: J. G. Cowan.
**STATION** (G.C. 167.56E/29.03S): VL2NI 1570kHz 0.05kW.
**HOME SCE. in English:** Mon, Tues, Thurs, Fri 20.30-22.00 (local N & rlg. Sce), Wed 20.30-00.30 (Musical requests at 23.30 & rlg. Sce), Sat 01.30-02.00 & Sun 00.00-00.30 (Music & Aircraft movement).
**ANN:** "Norfolk Island Broadc. Sce, St. VL2NI" — **V.** by letter. Rp.

## PAPUA and NEW GUINEA

(Australian Territory of Papua and Trust Territory of New Guinea.)
**L.T:** GMT+10h — **Pr.L:** English, Melanesian Pidgin, Police Motu, Vernaculars.

**DEPARTMENT OF INFORMATION & EXTENSION SERVICES,** Konedobu (Head Office for all st's). **Cable:** "Adcast". **Te:** 4681. **L.P:** Dir: L. R. Newby. Dir. Tec: W. F. Carter.

**RADIO RABAUL (Gov.)**
**ADDR:** Adm. Broadc. St, P.O. Box 71, Rabaul. **Te:** 2700. **Cable:** Adcast. **L.P:** St. Mgr: J. M. Smeeton. Sen. Tec. Dirs: P. Cook & M. O'Sullivan.
**STATION** (G.C: 152.11E/04.12S): VL9BR 3385kHz 88.63 m 10kW.
**HOME SCE:** 20.00-22.00, 06.00-13.00. **N:** English: 08.00, 10.00, **Tolai:** 08.10, 10.10, 10.35. **Pidgin:** 09.05, 10.05, 11.35, 12.05. **Wrp & Shipping Inf (in Pidgin):** 08.50 — **ANN: E:** "This is R. Rabaul, Station VL9BR". Tolai: "Ava valavala Ongore R. Rabaul VL9BR". Pidgin: "Yupela wok lang harim R. Rabaul VL9BR, Stesin Bilong Yumi". **V.** by letter. Recordings accepted.

**RADIO WEWAK (Gov.)**
**ADDR:** P.O. Box 65, Wewak. **Te:** 98. **Cable:** "Adcast" — **L.P:** St. Mgr: P. B. Bird. Supervising Technician: J. Whittaker.
**STATION** (G.C: 143.40E/03.35S): VL9CD 3335kHz 89.96m 10kW.

NZBC

SOLE
BROADCASTING ORGANISATION
IN
NEW ZEALAND

24 Commercial Stations
13 Non-Commercial Stations
4 Television Channels

RADIO NEW ZEALAND
THE OVERSEAS SERVICE OF THE NZBC BROADCASTS IN SHORTWAVE TO AUSTRALIA THE PACIFIC ISLANDS AND ANTARCTICA

OVERSEAS
PROGRAMME SERVICE
SUPPLIES NEW ZEALAND MUSIC AND SPOKEN-WORD PROGRAMMES FOR OVERSEAS BROADCASTING ORGANISATIONS

COMPLETE
ADVERTISING
COVERAGE OF THE
ENTIRE COUNTRY

NEW ZEALAND
BROADCASTING
CORPORATION
P.O.BOX 98,
WELLINGTON, N.Z.

**HOME SCE. in English & Melanesian Pidgin:** 20.00-22.00 (Sun 23.00), 06.15 (Sat/Sun 03.15)-12.30. **N. in English:** 08.00 (Mon-Fri), 09.00 (Sat/Sun only), 10.00 (Mon-Fri) — **ANN:** "Adm. broadc. St. R. Wewak" — **V.** by letter. Recordings accepted.

**RADIO KEREMA (Gov.)**
**ADDR:** Adm. Broadc. St, Kerema. **Cable:** "Adcast". **L.P:** St. Mgr: J. M. Smeeton.
**STATION:** VL8BK 3245kHz 92.45m 0.25kW.
**HOME SCE. in English, Vernaculars:** 07.00-12.00. **N. in English:** 08.00, 10.00 (Mon-Fri), 09.00 (Sat/Sun only) — **N. in Vernaculars:** 08.30, 09.00, 10.25, 10.35, 11.00 (Mon-Fri) — **V.** by QSL-card or letter.

**RADIO DARU (Gov.)**
**ADDR:** P.O. Box 9, Daru, Western District. **Te:** 53. **Cable:** Adcast — **L.P:** Officer in charge: Mgr: R. J. Hosking. Technician in charge: B. Hyde.
**STATION** (G.C: 143.12E/9.07S): VL8BD 3305kHz 90.80m 10kW.
**HOME SCE. in Police Motu, Kiwai, English:** 06.00-12.00. **N:** Mon-Fri 08.00, 08.15, 09.15, 10.00, 10.25, 11.20; Sat 09.00; Sun 10.00 — **ANN:** E: "R. Daru, st. VL8BD broadc. from W. District of Papua". Police Motu: "Inai station be Western District Taunimanima ibounai edia" — **INT-SIG:** Native Drumming — **V.** by QSL-card — **PUB:** pamphlets available soon.

**RADIO GOROKA (Gov.)**
**ADDR:** Adm. Broadc. St, P.O. Box 146, Goroka. **Te:** 218. **Cable:** "Adcast" — **L.P:** St. Mgr: S. M. Piniau. Supervising Technician: J. Wright.
**STATION** G.C: 145.23E/06.04S): VL9CG 2410kHz 124.5m 0.25kW.
**HOME SCE. in Pidgin, English, Gahuku:** 07.45-12.00. **N:** 08.00 (English), 08.22 (Pidgin), 08.45 (Pidgin), 09.15 (Gahuku), 10.00 (English & Pidgin), 10.30 (Pidgin) — **ANN:** E: "R. Boroka, st. VL9CG". Pidgin: "Stesin bilong ol pipal bilong Eastern Highlands District" — **V.** by QSL-card. Re welcomed — **PUB:** pamphlets available on limited basis.

**RADIO MOUNT HAGEN (Gov.)**
**ADDR:** Mount Hagen, Western Highlands District. **Te:** 177. **Cable:** Adcast — **L.P:** St. Mgr: K. G. Burslem. Supervising Technician: N. Casey.
**STATION** (G.C: 144.14E/05.51S): VL9CH 2450kHz 122.5m 0.25kW.
**HOME SCE in English, Pidgin, Enga, Medlpa, Mid-Wahgi:** 07.30-11.30. **N:** Mon-Fri 08.30 (Medlpa/Pidgin), 08.45 (Enga/Pidgin), 09.20 (Mid-Wahgi/Pidgin). **Territory** N: Sat/Sun 08.30 (in Pidgin only) — **V.** by data sheet. Recordings accepted.

**ABC:** see Australia.

## SAMOA (American)

**L.T:** GMT−11 h — **Pr.L:** Samoan, English.

**RADIO STATION WVUV (Gov.)**
**ADDR:** Office of Samoan Information, Pago Pago. **Te:** 648 — **L.P:** St. Mgr: V. W. Williams. Dir. Tec: R. Ware.
**STATION:** WVUV 1120kHz 10kW.
**HOME SCE:** 18.00-24.00, 05.00-08.00. **N. English:** Mon-Fri 18.30, Tues-Sat 05.45, Sat 22.00, 23.00, 24.00. **Samoan:** Mon-Fri 19.45-06.30, 07.30 — **Samoan Music:** 06.30 — **ANN:** E: "This is st. WVUV, Pago Pago, American Samoa" — **V.** by letter.

## SAMOA (Western)

**L.T:** GMT−11 h — **Pr.L:** Samoan, English.

**SAMOA BROADCASTING SERVICE 2AP (Gov, Comm.)**
**ADDR:** P.O. Box 200, Apia. **Te:** 2. **Cable:** Voxpac — **L.P:** Dir: J. W. Moore. Prgr. Supervisor: L. Levi. Chief Eng: J. K. Brown.
**STATIONS:** 2AP Apia 1420kHz 211.3m 10kw.
**HOME SCE: English/Samoan:** Mon-Fri 17.00-20.15, 23.00-00.30, 05.00-09.30; Sat. 17.00-00.30, 05.00-09.30; Sun 20.00-01.30, 05.00-09.30. **English:** 05.00-06.30 (Mon-Sat). **Bilingual:** 17.00-20.15 (W), 17.00-01.30 (Sat/Sun). **Samoan only:** 06.30-09.30 (Mon-Sat) — **N. in English:** W 18.00, 20.00, 23.30, 24.00. Sun 20.00, 23.30, 24.00 (from ABC or BBC). **N. in Samoan:** W 07.30, Sun 06.15.
**ANN:** E: "2AP, Apia, The Samoa Broadc. Service". Samoan: "Ole Si' ufofoga Lenei o Samoa i Sisifo, Ole 2AP i Apia". (The Voice of Western Samoa, 2AP Apia) — **V.** by QSL-card. Recordings accepted. Rp. — **INT-SIG:** Gong
**F.PL:** English Prgr's on 1150kHz (0.3kW); Nat Prgr. (exp.) 05.30-08.30 (W).
**FI:** By Gov. appropriation & adv — **AD:** 17.00-19.00, 05.00-09.30 mainly spots in English, Samoan.

## SOLOMON ISLANDS (British)

**L.T:** GMT+11h — **Pr.L:** English, Pidgin-English.

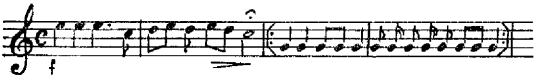
**SOLOMON ISLANDS BROADCASTING SERVICE (Gov.)**
**ADDR:** S.I.B.S. Honiara. **Te:** 425. **Cable:** Broadcast — **L.P:** Broadc. Officer: B. J. Whitehall. Ass. Broadc. Officer: W. Bennett, M.B.E. Dir. Tec: P. Butler. Sen. Producer: B. D. Strong.
**STATIONS** (G.C: 160.0E/09.0S): VQO 1030kHz 291m 0.66kW VQO4 3995kHz 75.09m 5kW.
**HOME SCE:** 19.00-21.30 (Mon-Fri), 07.30-11.30 (daily). **N. in English:** 20.09, 07.45, 09.15 (Mon-Fri), 20.00, 09.00 (BBC), 20.45, 11.00 (ABC). **N. in Pidgin English:** 08.15.

**ANN:** "This is the Solomon Islands Broadc. Sce". **INT-SIG:** Gong — **V.** by QSL-card. Re. must contain details to establish authenticity. Recordings accepted — **PUB:** "Preview" prgr-schedule free — **FI:** By Gov. & Licence payments. Adv — **AD:** Mon-Fri 19.00-21.30, 17.30-11.00, Sat 08.00-11.00 — **ALF:** $A 2.

## TAHITI (French)

**L.T:** GMT−10 h — **Pr.L:** French, Tahitian.

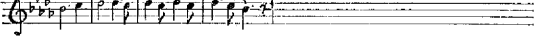
**RADIO TAHITI (Gov.)**
**ADDR:** Rue Dumont d'Urville 410, Papeete. **Te:** 1551. **Cable:** R. Tahiti — **L.P:** Dir. M. Espinasse. Dir. Tec: A. Vasseur.
**STATIONS** (4kW): 1400kHz 214m, 6135kHz 48.90m, 11825kHz 25.37m.
**HOME SCE:** W 16.15-18.15, 21.00-23.30, 03.00-08.00; Sun 20.00-23.00, 03.00-08.00 (on all freq's).
**French:** W 16.15-18.15, 21.45-23.30; Sun 05.00-08.00. **N:** W 16.15, 16.40, 18.00, 22.15, 06.00, 08.00. Sun 21.40, 06.00. — **Tahitian:** W 21.00-21.45, 03.00-05.00. Sun 03.00-05.00. **N:** 21.30 (W), 04.00 (W) — **Bilingual:** Sun 20.00-23.00.
Although times are GMT, calendar days apply to Tahiti only.
**ANN:** F: "Ici Tahiti Office de Radiodiffusion-Télévision Française". Tahitian: O Radio Tahiti" — **INT-SIG:** Tahitian flute (vivo) and drums — **AD:** D. 21.45, 03.45.



## TONGA (Kingdom of)

**L.T.** GMT+13h — **Pr.L:** Samoan, Fijian, Tongan, English.

**TONGA BROADCASTING COMMISSION (Gov.)**
**ADDR:** P.O. Box 36, Nuku'alofa. **Cable:** Broadcom. **Te:** 105. **L.P:** Mgr: A. E. F. Sanft. St. Eng: M. Holmes-Libbis.
**STATION** (System: AWA): 1020kHz 10kW (GC: 174.30W/21.30S).
**HOME SCE. in Tongan, English:** 18.00-20.15, 05.30-10.00 (Tongan, English, Samoan). **N: Tongan:** 19.00, 06.15. **English:** 18.00 (BBC), 07.00 (ABC), 07.15 (NZBC) — **Wrp** (for Tonga, Niue, Samoa, Fiji): At end of N. and 19.15 — **Samoan:** Tues, Wed, Thurs 09.00 — **Tongan Music:** 18.30, 19.30, 06.00, 06.30 — **Overseas Musical Prgr:** 07.00-10.00 — **Pacific Requests:** Mon 07.30-10.00 (Samoan, Fijian, Tongan, English).
**ANN:** E: "This is the Call of the Friendly Islands ZCO Niku'alofa of the Tonga Broadc. Commission". Tongan: "Ko e Uí 'eni'a e 'Otu Felenite, mei he ZCO Nuku'alofa 'a e Komisoni Fakamafola Lea Tonga". Samoan: "O le siu fofoga leni o le otu motu o Tonga, ZCO Nuku'alofa o le Komesinio Faasalalaunga o Tonga — **INT-SIG:** Tongan Nose Flute — **V.** by QSL-card. Recordings accepted.




**FI:** By Gov. and revenue from adv.

## TRUST TERRITORY OF THE PACIFIC ISL.

(Mariana Islands (exc. Guam), Caroline Islands, Marshall Islands.)
**L.T:** GMT+10 h — **Pr.L:** English, Ponapean, Chamorro, Palauan, Trukese, Marshallese, Yapese.
**ADDR: Head Office:** High Commissioner, Trust Territory of the Pacific Islands, Saipan, Mariana Islands 96950 — **L.P:** Dir. Gen. & Asst. Com./Public Affairs: N. Neiman Craley, Jr. Studios: Dist. Adm. Ponape, Eastern Caroline Isl. 96941 (WSZD). St. Mgr: C. Thomas. Dist. Adm. Truk. Eastern Caroline Isl. 96942 (WSZC). St. Mgr: K. Peter; Dist. Adm. Saipan, Mariana Isl. 96950 (KJQR). St. Mgr: F. Rabauliman; Dist. Adm. Palau District, Koror, Western Caroline Isl. 96940 (WSZB). St. Mgr: H. Rodas; Dist. Adm. Marshall Isl. District,

NORTH AMERICA
GREENLAND
1:40 Mill.
KM
0
500
1000
2000
Arctic Ocean
Baffin Bay
Davis Strait
Denmark Strait
Hudson Bay
GULF OF MEXICO
CARIBBEAN SEA
NORTH PACIFIC OCEAN
NORTH ATLANTIC OCEAN
GREENLAND
ALASKA
CANADA
UNITED STATES
MEXICO
CUBA
HAITI
JAMAICA
BR. HONDURAS
CENTRAL AMERICA
VENEZUELA
COLOMBIA
Yukon
North West Territories
Labrador
Baffin Isl.
British Columbia
Alberta
Saskatchewan
Manitoba
Ontario
Quebec
Washington
Oregon
Idaho
Montana
Wyoming
Nevada
Utah
Colorado
Arizona
New Mexico
Texas
Louisiana
Kansas
Missouri
Arkansas
Tennessee
Mississippi
Alabama
Georgia
Florida
Ohio
Michigan
Wisconsin
Minnesota
N. Dakota
S. Dakota
Nebraska
Iowa
Illinois
Indiana
Kentucky
Pennsylvania
New York
Maine
Massachusetts
Connecticut
Maryland
Virginia
N. Carolina
S. Carolina
Bahama Islands
Dominican Rep.
Puerto Rico
Bermuda
THULE
UPERNAVIK
ANGMAGSSALIK
GODHAVN
KOOK
GODTHÅB
FREDERIKSHÅB
INUVIK
FAIRBANKS
ANCHORAGE
DAWSON
CORDOVA
WHITEHORSE
YELLOW-KNIFE
HAY RIVER
FORT SMITH
NELSON
CHURCHILL
KOVIK
SCHEFFERVILLE
GOOSE BAY
GANDER
ST. JOHN'S
ST. PIERRE
New Foundland
SYDNEY
SACKVILLE
HALIFAX
SAINT JOHN
CHICOUTIMI
TIMMINS
QUEBEC
TROIS RIVIERES
VERCHERES
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NEW YORK
BOUND BROOK
PHILADELPHIA
BUFFALO
PITTSB.
WASHINGTON
RICHMOND
RALEIGH
CHARLOTTE
ATLANTA
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NASSAU
MIAMI
HABANA
PETIONVILLE
KINGSTON
MERIDA
BELIZE
MARACAIBO
MEDELLIN
PANAMA
SAN JOSE
MANAGUA
TEGUCIGALPA
GUATEMALA CITY
SAN SALVADOR
OAXACA
VILLA HERMOSA
TUXTLA GTRREZ
ORIZABA
VERA CRUZ
JALAPA
MEXICO CITY
IRAPUATO
LEON
GUADALAJARA
ZAMORA
MORELIA
URUAPAN
PUEBLA
ZITACUARO
ACAPULCO
S. LUIS POTOSI
TAMPICO
ZACATECAS
SALTILLO
MONTERREY
ROSARIO
LA PAZ
CULIACAN
TORREON
SABINAS
NUEVO LAREDO
CIUDAD ACUÑA
PIEDRAS NEGRAS
CHIHUAHUA
HERMOSILLO
CIUDAD OBREGON
CIUDAD JUAREZ
FORT WORTH
SHREVEP.
DALLAS
LITTLE ROCK
OKLAHOMA CITY
TULSA
LAWRENCE
K. CITY
DENVER
SALT LAKE CITY
SACRAMENTO
DIXON
SAN FRANCISCO
FRESNO
DELANO
HOLLYWOOD
LOS ANGELES
TIJUANA
MEXICALI
ENSENADA
ALBUQUERQUE
CORPUS CHRISTI
RIO BRAVO
HOUSTON
SAN ANTONIO
NEW ORLEANS
LOUISVILLE
NASHVILLE
MEMPHIS
CINCINNATI
INDIANAPOLIS
CHICAGO
DESMOINES
OMAHA
WATERLOO
MINNEAPOLIS
ST. PAUL
WINNIPEG
BRANDON
REGINA
WATROUS
SASKATOON
PRINCE ALBERT
EDMONTON
KAMLOOPS
VANCOUVER
KELOWNA
CALGARY
MEDICINE HAT
LETHBRIDGE
SEATTLE
SPOKANE
PORTLAND
VICTORIA
SUDBURY
PORT ARTHUR
FORT WILLIAM
TORONTO
LONDON
DETROIT
WINDSOR
SAN JOSE
CARIBBEAN SEA
GRAND FALLS
DRUMMONDVILLE
WOODSTOCK
MONCTON
Maine
SAINT JOHN
NORTH
70°
60°
50°
40°
30°
20°
10°
140°
130°
120°
110°
100°
90°
80°

Majuro, Marshall Isl. 96960 (WSZO), St. Mgr: L. Edwards; Dist. Adm. Yap District, Eastern Caroline Isl. 96943 (WSZA). St. Mgr: A. Yug.

**STATIONS** (System: Gates):

| Location | Call | kHz | kW | H of tr. (approx.) |
|---|---|---|---|---|
| Ponape | WSZD | 1450 | 1 | 20.30-12.00 |
| Truk | WSZC | 1500 | 1 | 21.00-03.00, 06.00-12.00 |
| Saipan | KJQR | 1350 | 1 | 20.00-14.00 |
| Koro | WSZB | 1500 | 0.25 | 21.00-15.00 |
| Majuro | WSZO | 1440 | 1 | 20.30-12.00 |
| Yap | WSZA | 1480 | 1 | 20.30-12.00 |

**G.C:** Ponape 157E/7N, Truk 151E/7N, Saipan 144E/16N, Koror 133E/7N, Majuro 170E/7N, Yap 137E/10N.
**Prgr's:** Education and entertainment.
**English** (Educ): 23.00-23.15, 23.30-23.45, 00.30-00.45, 01.00-01.45.
**Wrp:** 01.45 — **Local N:** 22.25, 10.00.
**ANN:** Ponape: "This is R. St. WSZD, Ponape — Met. St. WSZD Nam Ponape". Truk: "This is R. St. WSZC in Moen Truk — Ach nenien appio WSZC non nomun Truk". Saipan: "This is R. St. KJQR Saipan". Koror: "This is R. St. WSZB, Koror, Palau". Majuro: "This is R. St. WSZO Majuro". Yap: "This is R. St. Yap" — **V.** by letter (WSZC).

# NORTH AMERICA

## BERMUDA (British)

**L.T:** GMT−4 h — **Pr.L:** English.

### BERMUDA BROADCASTING CO. LTD. (Comm.)

**ADDR:** Box 452, Hamilton. **Te:** 2-1122. **Cable:** ZBM Bermuda. **L.P:** Man. Dir: W. Staskow. Mgr: Q. Edness. Dir. Tec: J. H. Spershott.
**STATIONS** (1kW): ZBM1 1235kHz — ZBM2 1340kHz — FM: 89.1 MHz.
**HOME SCE. in English:** On 1235kHz: 24 h — On 1340kHz: 24 h **N, Wrp:** 10.55, 11.45, 13.00, 15.00, 16.45, 18.00, 19.00, 20.00, 21.00, 22.00, 23.00, 01.00, 02.05, 03.30, 04.00, 04.30, 05.00 — **T.S:** every ½ h — **Portuguese:** 09.45-10.15 on 1235kc.
**ANN:** "This is ZBM Radio Bermuda" — **V.** by QSL-card. Rep. Recordings accepted.

### CAPITAL BROADCASTING CO. LTD.

**ADDR:** Box 652, Hamilton. **Te:** 2-4444. **Cable:** Capbro — **L.P:** Man. Dir: M. E. Sheppard. Dir. Tec: B. J. Roche.
**STATION** (System: Bauer): 960kHz 1kW.
**HOME SCE. in English:** 24 h — **N:** 10.55*, 11.30, 12.25, 13.30*, 14.30, 16.15*, 16.30, 17.25* 20.55*, 22.15*, 22.45, 02.55, 06.00, 08.00. *=Headlines — **ANN:** "This is your favourite R. Station ZFB1 960 on your dial" — **V.** by letter — **PUB:** Prgr. schedule on request.

## CANADA

**L.T:** See Time Table — **Pr.L:** English, French.

**Abbreviations:** Nf=Newfoundland, NS=Nova Scotia, PEI=Prince Edward Isl, NB=N. Brunswick, P=Pacific, Qu=Quebec, O=Ontario, M=Manitoba, Sa=Saskatchewan, Al=Alberta, BC=British Columbia, W=Winnipeg, Pr=Province, Prince R=Prince Rupert, NWT=No.W.Territories.

### CANADIAN BROADCASTING CORPORATION

**CBC NATIONAL SERVICE (Publicly-owned.)**
**ADDR:** Head Office: P.O. Box 478, Terminal "A", Ottawa — **International Sce:** P.O. Box 6000, Montreal. **French Networks Div:** P.O. Box 6000, Montreal. **English Networks Div:** P.O. Box 500, Toronto. **Newfoundland Reg:** P.O. Box 5490, St. John's. **Maritime Reg:** P.O. Box 3000, Halifax. **Prairie Reg:** P.O. Box 160, Winnipeg. **British Columbia Reg:** 701 Hornby Str. Vancouver. **Ottawa Area:** P.O. Box 3220, Station "C", Ottawa. **Northern and Armed Forces Sces:** P.O. Box 478, Terminal "A", Ottawa. **Engineering Headquarters:** 7925 Cote Street, Luc Road, Montreal — **Offices outside Canada:** CBC Representatives: **New York:** Suite 2401, 1270 Avenue of the Americas, New York 20, N.Y. **London:** The Langham, Portland Place, London W.1, England. **Paris:** 17 Ave. Matignon, Paris 8, France.
**L.P:** Pres: J. A. Ouimet. Acting Chief Operating Officer: J. P. Gilmore. Vice-Pres. (Asst. to the Pres): R. C. Fraser. Vice-Pres. Prgr: E. S. Hallman. Vice-Pres. Engineering: J. E. Hayes. Vice-Pres. Finance: V. F. Davies. Vice-Pres: G. Coderre. Vice-Pres. & Gen. Mgr. Network Broadc: (English): H. G. Walker. Vice-Pres. & Gen. Mgr. Network Broadc. (French): M. Ouimet. Vice-Pres. & Gen. Mgr. Reg. Broadc: Charles Jennings.
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CBC

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*(Program Schedule sent free on request.)*

INTERNATIONAL SERVICE
CANADIAN BROADCASTING CORPORATION
BOX 6000, MONTREAL, CANADA.

# Canada

**ENGLISH NETWORK**

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 1) CBT | 540 | 10 | 10) CHAK | 860 | 1 | 18) CBI | 1140 | 10 |
| 2) CBK | 540 | 50 | 11) CBO | 910 | 5 | 19) CFFB | 1200 | 0.04 |
| 3) CFWH | 570 | 1 | 12) CBM | 940 | 50 | 20) CHFC | 1230 | 0.25 |
| 4) CBN | °640 | 10 | 13) CBY | 990 | 10 | 21) CFGB | 1340 | 1 |
| 5) CBU | °690 | 10 | 14) CBW | 990 | 50 | 22) CFYK | 1340 | 1 |
| 6) CBL | 740 | 50 | 15) CBR | 1010 | 50 | 23) CBG | 1450 | 0.25 |
| 7) CBX | 740 | 50 | 16) CBA | 1070 | 50 | 24) CBZ | 970 | 10 |
| 8) CBH | 860 | 10 | 17) CBD | 1110 | 10 | 25) CBE | 1550 | 10 |
| 9) CFPR | 860 | 10 | | | | | | |

1) P.O. Box 218, Grand Falls, Nfld — 2) P.O. Box 347, Regina, Sask — 3) P.O. Box 730, Whitehorse Y.T. — 4) P.O. Box 5490, St. John's, Nfld — 5) 701 Hornby Str. Vancouver, B.C. 6) P.O. Box 500, Toronto O — 7) P.O. Box 555, Edmonton, Alta — 8) P.O. Box 3000, Halifax — 9) 343 W. 2nd Ave, Prince Rupert, B.C. — 10) P.O. Box 1220, Inuvik, N.W.T. — 11) P.O. Box 3220, Station "C", Ottawa, O. — 12) P.O. Box 6000, Montreal, Que — 13) P.O. Box 610, Corner Brook, Nfld 14) P.O. Box 160, Winnipeg, Man — 15) 1724 Westmount Blvd, Calgary, Alta — 16) P.O. Box 1200, Sackville, N.B. — 17) St. John, N.B. — 18) P.O. Box 700 Sydney, N.S. — 19) P.O. Box 10, Frobisher Bay, N.W.T. — 20) Fort Churchill, Man — 21) P.O. Box 237, Goose Bay, Lab — 22) P.O. Box 160, Yellowknife, N.W.T. — 23) P.O. Box 790, Gander, Nfld 24) P.O. Box 1538, Fredericton, N.B — 25) Security Bldg University & Pelissier, Windsor, O.+126 low power relay st's not mentioned.

**Short Waves:**

4) CKZN 6160kHz 48.70m 0.3kW 11.00-04.00 (Relay CBN).

5) CKZU 6160kHz 48.70m 0.5kW 14.00 (Sun 15.00)-09.05 (Relay CBU)

**Note:** Although times are in GMT, calendar days apply to Canada only.

4) **N:** 11.00, 11.30, 13.00*, 14.25 (not Sat), 15.30 (BBC), 17.00, 19.00 (not Sat), 20.30 (Sat only), 21.30, 22.30*, 23.15, 02.00*, 03.30. Sun: 11.00, 12.00, 15.45, 17.00 (BBC), 18.00*, 20.00*, 22.00, 02.00*, 04.00.

*=CBC Nat. news — **Wrp:** after N. at 11.00, 15.45 (Sun), 17.00 (Sat), 22.30.

5) **N:** Mon-Fri 14.00, 15.00, 15.30, 16.00, 16.15, 16.27, 17.00 (BBC), 20.15, 22.20, 00.00, 01.30, 06.00, 09.00. Sat 14.00, 15.00, 15.30, 16.00, 16.27, 17.00 (BBC), 18.00, 09.00. Sun 17.00 (BBC), 03.00, 08.00, 09.00 — **Wrp:** after N. at 20.15 (Mon-Fri).

**FM:** CBU-FM Vancouver 107.5MHz 100kW.

**FRENCH NETWORK**

| Call | MHz | kW | Call | MHz | kW | Call | MHz | kW |
|---|---|---|---|---|---|---|---|---|
| 1) CBAF | 1300 | 5 | 3) CBF | 690 | 50 | 5) CBOF | 1250 | 10 |
| 2) CBV | 980 | 5 | 4) CJB | 1580 | 10 | 6) CJBC | 860 | 50 |

1) P.O. Box 950, Moncton, N.B. — 2) Palais Montcalm, Que. 3) P.O. Box 6000, Montreal, Que — 4) 121 rue Racine Est, Chicontimi, Que — 5) P.O. Box 3220, Ottawa O — 6) P.O. Box 500, Toronto, O.

+24 low-power stations not mentioned.

**INTERNATIONAL SERVICE (Publicly-owned)**

**ADDR:** Canadian Broadcasting Corporation, International service, P.O. Box 6000, Montreal. **Cable:** Intrad.

**L.P:** Dir: C. R. Delafield. Supervisor of Sections: A. L. Pidgeon. Supervisor of Eng. Sce: S. B. Duke Supervisor of Inf. Sce's: G. Teffaine. Public Rel. Officer: K. D. Renner. Coordinator of Transcription Services: G. Poupart. Head Eng. Sce: P. A. Tallman; Head French Sce: L. Coté. Head Latin American Sce: P. Marcos Bilboa. Supervisor of TV Prod: G. Delanoe.

**STATIONS:** All international sw. broadcasts from Canada are directed by CBC International Service, which is owned by the people of Canada. All prgr's are sent by landline from Montreal to Sackville, New Brunswick, on Canada's Atlantic coast, whence they are transmitted by three 50kW tr's. (G.C: 64.19W/45.53N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 5970 | 50.25 | 11715 | 25.61 | 15190 | 19.75 | 17820 | 16.84 |
| 5990 | 50.08 | 11720 | 25.60 | 15320 | 19.58 | 21495 | 13.96 |
| 9625 | 31.17 | 11725 | 25.59 | 15325 | 19.58 | 21595 | 13.89 |

**EUROPEAN SCE:** 05.58-06.30, 07.25-08.20, 10.55-18.30, 20.00-21.52.

05.58-06.30 on 5955/9625kHz; 07.25-08.20 on 5990/9625kHz; 10.55-12.13 on 15325/17820kHz; 12.15-13.13 on 17820kHz; 13.15-13.43 on 17820/21595kHz; 13.45-15.15 on 15320/17820/21595kHz; 15.16-15.29 on 17820/21595kHz; 15.30-16.30 on 15320/17820/21595kHz; 16.31-16.59 on 17820/21595kHz; 17.00-18.30 on 15320/17820/21595kHz; 20.00-21.52 on 11720/15320/17820kHz (the latter freq. to 21.48 only).

| Times | Programmes | News English | News French |
|---|---|---|---|
| 05.59-06.30 | Canadian Forces | 06.00 | 06.15 |
| 07.25-08.00 | **English** | 07.30 | |
| 08.00-08.20 | French | | |
| 10.55-12.12 | Canadian Forces | | |
| 12.15-13.13 | **English** | 12.15 | |
| 13.16-13.43 | French | | 13.16 |
| 13.45-14.15 | Ukrainian | | |
| 14.15-14.45 | Russian | | |
| 14.45-15.15 | Czech & Slovak | | |
| 15.16-15.29 | News | 15.16 | 15.22 |
| 15.30-16.00 | Polish | | |
| 16.00-16.15 | Russian | | |
| 16.15-16.30 | Czech & Slovak | | |
| 16.31-16.59 | Canadian Forces | 16.32 | 16.50 |
| 17.00-17.15 | Polish | | |
| 17.15-17.45 | Czech & Slovak | | |
| 17.45-18.15 | German | | |
| 18.15-18.30 | Hungarian | | |
| 20.00-20.44 | French | | 20.01 |
| 20.45-21.15 | Canadian Forces | *21.00 | 20.45 |
| 21.15-21.52 | **English** | **21.30 | |

*) Sat/Sun only; **) Mon/Fri only.

**NO. AMERICAN & ANTILLES SCE:**
12.15-13.13 on 9625/11720kHz, 13.15-13.43 on 11720kHz. 12.15-13.13 **English,** 13.16-13.42 **French — N. in English** 12.15, **N. in French** 13.16.

**AFRICAN SCE:** 07.25-08.20, 18.32-19.58.
07.25-08.20 on 5990/9625kHz, 18.32-19.58 on 15320/17820/21595kHz (the latter freq. to 19.55 only). The period 07.25-08.20 is rebroadcast by BBC at 07.30-08.15. **N. in English** 07.30,

**NORTHERN CANADA SCE** (East, Central, West)
**In English, French, Eskimo:** 00.58-07.06, 10.55-12.13, 15.16-15.29, 16.31-16.59, 21.58-22.50.
00.58-02.30 on 5970/9625/11720kHz, 02.30-05.57 on 9625/11720 kHz, 05.57-06.31 on 11720kHz, 06.31-07.06 on 9625/11720kHz. 10.55-12.13 on 9625kHz, 15.16-15.29 & 16.31-16.59 on 15320kHz, 21.58-22.50 on 9625/11720/15190kHz.
**N. in English:** 01.00, 02.00 (W), 03.30 (Sun), 04.00, 05.00, 06.00, 07.00, 15.16. **N. in French:** 03.00 (W), 16.15 (Sun), 07.20 (W).

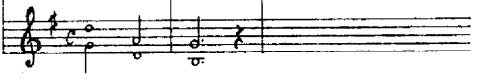
**CARIBBEAN & LATIN AMERICAN SCE:**
22.58-00.46 on 9625/11725/15190kHz. **English:** 22.58-23.30 (N. 23.01), Portuguese: 23.30-24.00 (N 23.30), Spanish: 00.00-00.46 (N. 00.00).

**SOUTH PACIFIC SCE**
08.25-09.35 on 5970/9625kHz. **English** (N. 08.30).

**DX-PRGR** (times indicated are approx): In **English:** Sat 12.35, 18.35, 21.30, 23.20, Sun 07.50. In **French:** Sat 19.50, 20.35. In **German:** Sun 18.00, 18.45. In **Portuguese:** Sat 23.43. In **Spanish:** Thurs 00.30 (fortnightly) 14.45, 17.15.

**ANN:** E: "This is the International Sce. of the CBC". F: "Ici R. Canada". G: "Hier spricht Kanada". P: "A R. Canada transmite para o Brasil". Sp: "Transmite R. Canada". Czech: "Kanada volá Ceskoslovensko". Polish: "Tu mówi Kanada". Slovak: "Hovorí Kanada".

**INT-SIG:** First four notes of National Song "O Canada" (piano):



**V.** by letter or QSL-card — **PUB:** CBC-Radio-Canada prgr. sched. published four times a year, sent free upon request. **F.PL:** Seven 250kW sw-tr's.

**PRIVATELY OWNED COMMERCIAL STATIONS**
**CANADIAN ASSOCIATION OF RADIO AND TELEVISION BROADCASTERS: Head Office, 108 Sparks St, Ottawa 4.**
**Medium Waves:** Stations less than 1kW not mentioned.

| Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|
| 1) CFNB | 550 | 50 | 10) CKNL | 560 | 1 |
| 2) CHLN | 550 | 10/5 | 11) CJEM | 570 | 5/1 |
| 3) CKPG | 550 | 10 | 12) CFCB | 570 | 1 |
| 4) CFBR | 550 | 1 | 13) CKCQ | 570 | 1 |
| 5) CHTK | 560 | 1/0.25 | 14) CKEK | 570 | 1 |
| 6) CJKL | 560 | 5 | 15) CFRA | 580 | 50 |
| 7) CKCN | 560 | 10/5 | 16) CHLC | 580 | 5/2.5 |
| 8) CFOS | 560 | 1 | 17) CJFX | 580 | 10 |
| 9) CHCM | 560 | 1 | 18) CKPR | 580 | 5/1 |

| | Call | kHz | kW |
|---|---|---|---|
| 19) | CKAU | 580 | 10 |
| 20) | CKY | 580 | 50 |
| 21) | CKAP | 580 | 1 |
| 22) | CKXR | 580 | 1 |
| 23) | VOCM | 590 | 10 |
| 24) | CKEY | 590 | 10/5 |
| 25) | CFAR | 590 | 10/1 |
| 26) | CFTK | 590 | 1 |
| 27) | CKRS | 590 | 1 |
| 28) | CFCF | °600 | 5 |
| 29) | CFCH | 600 | 10/5 |
| 30) | CFQC | 600 | 5 |
| 31) | CJOR | 600 | 10 |
| 32) | CKCL | 600 | 1 |
| 33) | CHNC | 610 | 10/5 |
| 34) | CKTB | 610 | 10/5 |
| 35) | CKYL | 610 | 10/1 |
| 36) | CHTM | 610 | 1 |
| 37) | CJAT | 610 | 1 |
| 38) | CKML | 610 | 1 |
| 39) | CFCL | 620 | 10/5 |
| 40) | CKCK | 620 | 5 |
| 41) | CKCM | 620 | 10 |
| 42) | CFCY | 630 | 10 |
| 43) | CFCO | 630 | 10/1 |
| 44) | CHED | 630 | 10 |
| 45) | CHLT | 630 | 10/1 |
| 46) | CJET | 630 | 10 |
| 47) | CKRC | 630 | 10 |
| 48) | CKAR | 630 | 1 |
| 49) | CKOV | 630 | 1 |
| 50) | CHFA | 680 | 5 |
| 51) | CJCN | 680 | 10 |
| 52) | CJOB | 680 | 10/2.5 |
| 53) | CKGB | 680 | 10 |
| 54) | CHFI | 680 | 1/10 |
| 55) | CHLO | 680 | 1 |
| 56) | CFRG | 710 | 5 |
| 57) | CKVM | 710 | 10/1 |
| 58) | CJOX | 710 | 1 |
| 59) | CJSP | 710 | 1 |
| 60) | CKAC | 730 | 50 |
| 61) | CKDM | 730 | 10/5 |
| 62) | CKLG | 730 | 10 |
| 63) | CJNR | 730 | 1 |
| 64) | CFDR | 790 | 5 |
| 65) | CFCW | 790 | 10 |
| 66) | CKSO | 790 | 10/5 |
| 67) | CHIC | 790 | 1/0.5 |
| 68) | CKMR | 790 | 1 |
| 69) | CHAB | 800 | 10 |
| 70) | CHRC | 800 | 10 |
| 71) | CJAD | 800 | 50/10 |
| 72) | CJLX | 800 | 10/5 |
| 73) | CKOK | 800 | 10/0.5 |
| 74) | CKLW | 800 | 50 |
| 75) | CFOB | 800 | 1/0.5 |
| 76) | CJBQ | 800 | 1 |
| 77) | VOWR | 800 | 1 |
| 78) | CHQR | 810 | 10 |
| 79) | CKRD | 850 | 10/1 |
| 80) | CKVL | 850 | 50 |
| 81) | CJJC | 850 | 1 |
| 82) | CHML | 900 | 5 |
| 83) | CHNO | 900 | 10/1 |
| 84) | CJBR | 900 | 10 |
| 85) | CJVI | 900 | 10 |
| 86) | CKBI | 900 | 10 |
| 87) | CKVD | 900 | 10/2.5 |
| 88) | CKDH | 900 | 1 |
| 89) | CKDR | 900 | 1/0.25 |
| 90) | CKJL | 900 | 1 |
| 91) | CKTS | 900 | 10 |
| 92) | CFJC | 910 | 10/1 |
| 93) | CJDV | 910 | 5 |
| 94) | CHRL | 910 | 1 |
| 95) | CKLY | 910 | 1 |
| 96) | CJCH | 920 | 10/5 |
| 97) | CKCY | 920 | 10/5 |
| 98) | CFRY | 920 | 1 |
| 99) | CJCJ | 920 | 1 |
| 100) | CKNX | 920 | 2.5/1 |
| 101) | CFBC | 830 | 10/5 |
| 102) | CJCA | 930 | 10/5 |
| 103) | CJON | 930 | 10 |
| 104) | CJGX | 940 | 10 |
| 105) | CJIB | 940 | 10/1 |
| 106) | CKBB | 950 | 10/2.5 |
| 107) | CKNB | 950 | 10/1 |
| 108) | CHER | 950 | 10 |
| 109) | CFAC | 960 | 10 |
| 110) | CHNS | °960 | 10 |
| 111) | CKWS | 960 | 10/5 |
| 112) | CKCH | 970 | 5 |
| 113) | CFPL | 980 | 10/5 |
| 114) | CHEX | 980 | 10/5 |
| 115) | CKGM | 980 | 10 |
| 116) | CKNW | 980 | 50 |
| 117) | CKRM | 980 | 10/5 |
| 118) | CKBW | 1000 | 10 |
| 119) | CFRB | °1010 | 50 |
| 120) | CFGP | 1050 | 10 |
| 121) | CHUM | 1050 | 50 |
| 122) | CJIC | 1050 | 10/2.5 |
| 123) | CKSB | 1050 | 10 |
| 124) | CJNB | 1050 | 10 |
| 125) | CFCN | °1060 | 50/25 |
| 126) | CJLR | 1060 | 10 |
| 127) | CHOK | 1070 | 5/1 |
| 128) | CFAX | 1070 | 1 |
| 129) | CKSA | 1080 | 10 |
| 130) | CHEC | 1090 | 5 |
| 131) | CHRS | 1090 | 10 |
| 132) | CHQT | 1110 | 10 |
| 133) | CFML | 1110 | 1 |
| 134) | CKWX | °1130 | 50 |
| 135) | CKXL | 1140 | 10 |
| 136) | CHSI | 1150 | 10/5 |
| 137) | CKOC | 1150 | 5 |
| 138) | CKTR | 1150 | 10/1 |
| 139) | CKX | 1150 | 10/1 |
| 140) | CFNS | 1170 | 1 |
| 141) | CJOC | 1220 | 10/5 |
| 142) | CKDA | 1220 | 10 |
| 143) | CKCW | 1220 | 10 |
| 144) | CHSC | 1220 | 1/0.25 |
| 145) | CJRL | 1220 | 1 |
| 146) | CJSS | 1220 | 1 |
| 147) | CKSM | 1220 | 1 |
| 148) | CFBV | 1230 | 1/0.25 |
| 149) | CFBA | 1230 | 1/0.25 |
| 150) | CHVD | 1230 | 1/0.25 |
| 151) | CKLD | 1230 | 1 |
| 152) | CKMP | 1230 | 1/0.25 |
| 153) | CKTK | 1230 | 1/0.25 |
| 154) | CFLM | 1240 | 1/0.25 |
| 155) | CFVR | 1240 | 1/0.25 |
| 156) | CJAV | 1240 | 1/0.25 |
| 157) | CJWA | 1240 | 1/0.25 |
| 158) | CKOO | 1240 | 1/0.25 |
| 159) | CKBL | 1250 | 10/5 |
| 160) | CKOM | 1250 | 10 |
| 161) | CHSM | 1250 | 10 |
| 162) | CHWO | 1250 | 1/0.5 |
| 163) | CFRN | 1260 | 50 |
| 164) | CHAT | 1270 | 10 |
| 165) | CHWK | 1270 | 10 |
| 166) | CJCB | °1270 | 10 |
| 167) | CFGT | 1270 | 1 |
| 168) | CHIQ | 1280 | 10/5 |
| 169) | CJMS | 1280 | 50 |
| 170) | CKCV | 1280 | 10/5 |
| 171) | CFAM | 1290 | 10/1 |
| 172) | CHQB | 1280 | 1 |
| 173) | CJSL | 1280 | 1 |
| 174) | CJOE | 1290 | 10 |
| 175) | CJME | 1300 | 1 |
| 176) | CFGM | 1310 | 10/2.5 |
| 177) | CHGB | 1310 | 5 |
| 178) | CKOY | 1310 | 50 |
| 179) | CHQM | 1320 | 10 |
| 180) | CKKW | 1320 | 1 |
| 181) | CJSO | 1320 | 10/5 |
| 182) | CKEC | 1320 | 5 |
| 183) | CKKR | 1330 | 10 |
| 184) | CFSL | 1340 | 1/0.25 |
| 185) | CKOX | 1340 | 1/0.25 |
| 186) | CKLB | 1350 | 10/5 |
| 187) | CHOV | 1350 | 1 |
| 188) | CJDC | 1350 | 1 |
| 189) | CJLM | 1350 | 1 |
| 190) | CKEN | 1350 | 1 |
| 191) | CKBC | 1360 | 10 |
| 192) | CFLV | 1370 | 1 |
| 193) | CKLC | 1380 | 10/5 |
| 194) | CKPC | 1380 | 10 |
| 195) | CFDA | 1380 | 1 |
| 196) | CKLN | 1390 | 1 |
| 197) | CJFP | 1400 | 10/0.25 |
| 198) | CKSW | 1400 | 1/0.25 |
| 199) | CFMB | 1410 | 10 |
| 200) | CFUN | 1410 | 10 |
| 201) | CKSL | 1410 | 10 |
| 202) | CJVR | 1420 | 10 |
| 203) | CJMT | 1420 | 1 |
| 204) | CKPT | 1420 | 5 |
| 205) | CKFH | 1430 | 10 |
| 206) | CKPM | 1440 | 10 |
| 207) | CFCP | 1440 | 1 |
| 208) | CFJR | 1450 | 1/0.25 |
| 209) | CHEF | 1450 | 1/0.25 |
| 210) | CHUC | 1450 | 1 |
| 211) | CJBM | 1450 | 1/0.25 |
| 212) | CJOY | 1460 | 10/5 |
| 213) | CKRB | 1460 | 10/5 |
| 214) | CFOX | 1470 | 10/5 |
| 215) | CJQM | 1470 | 5 |
| 216) | CFRW | 1470 | 5 |
| 217) | CHOW | 1470 | 1/0.25 |
| 218) | CHRD | 1480 | 10 |
| 219) | CHYM | 1490 | 10/5 |
| 220) | CJSN | 1490 | 1/0.25 |
| 221) | CKAD | 1490 | 1/0.25 |
| 222) | CKBM | 1490 | 1/0.25 |
| 223) | CKAY | 1500 | 1 |
| 224) | CKOT | 1510 | 1 |
| 225) | CHIN | 1540 | 50 |
| 226) | CFOR | 1570 | 10/1 |
| 227) | CHUB | 1570 | 10 |
| 228) | CKLM | 1570 | 50 |
| 229) | CJRN | 1600 | 10 |

°=Short Wave.

**Short Waves:**

| | kHz | kW | |
|---|---|---|---|
| 28) CFCW | 6005 | 0.5 | Canadian Marconi Co, Montreal: 24 h |
| 166) CJCX | 6010 | 1 | Cape Breton Broadc, Sydney: 09.00-05.00 |
| 125) CFVP | 6030 | 0.1 | The Voice of Prairies, Calgary: 24 h |
| 119) CFRX | 6070 | 1 | R. CFRB, Toronto: 24 h |
| 134) CFKX | 6080 | 0.01 | R. CKWX, Vancouver |
| 110) CHNX | 6130 | 0.5 | Maritime Broadc. Co, Halifax: 24 h |

**Medium Waves:**

1) **R. Atlantic Ltd,** 67 York St, Fredericton, NB. **L.P:** Dir. Gen: D. M. Neill. St. Mgr: J. T. H. Fenety. Dir. Tec: G. D. Love. **D.Prgr:** 24 h. **N:** On the h and half h; also 16.30 (W), 22.15 (W). **V.** by letter. **Re.** in E.

2) **R. Trois Rivières, Inc,** 3550 Royal Blvd, Trois Rivières, Qu. **L.P:** St. Mgr: M. Danserou. Dir. Tec: O. Lefebre. **D.Prgr. in French:** 11.00-08.00 (Sat 09.00). **N:** 5 min before the h. **V.** by QSL-card.

3) **R. St. CKPG Ltd,** 1220 6th Ave, Prince George, B.C.

4) **The Sudbury Broadc. Co. Ltd,** 166 rue Elm, Sudbury, Ont.

5) **CHTK Radio Ltd,** Prince Rupert, B.C.

6) **Kirkland Lake Broadc. Ltd,** Woolworth Bldg, Governm. Rd. West, Kirkland Lake, Ont.

7) **R. Sept-Iles** Inc, Sept-Iles, Qu. **D.Prgr:** W 10.30-07.00. **N:** On the h and half h. **V.** by letter.

8) **Grey and Bruce Broadc. Co. Ltd,** 270 Ninth Street East, Owen Sound, Ont.

9) **The Colonial Broadc. System Ltd,** Marystown, Nfld.

10) **Northern Lights Broadc. Ltd,** Fort St. John, B.C.

11) **Edmundston R. Ltd,** 99 Canada Rd, Edmundston, N.B.

12) **Humber Valley Broadc. Co. Ltr,** Corner Brook, Nfld.

13) **Cariboo Broadcasters Ltd,** Quesnel, B.C.

14) **East Kootenay Broadc. Co. Ltd,** Cranbrook, B.C.

15) **CFKA Broadc. Ltd,** 150 Isabella Str, Ottawa, Ont. **L.P:** Gen. Mgr: T. Kielty. Chief Eng: G. Roach. **D.Prgr.** 24 h. **N:** Every h and half h. **V.** by QSL-card. Recordings accepted.

16) **R. Côte-Nord Inc,** Blvd. Blanche 15, Hautérive, Qu. **L.P:** St. Mgr: H. Desjardins. Dir. Tec: G. de Varennes. **D.Prgr:** 10.30-04.30 in French. **N:** On the h. **V.** by letter.

17) **Atlantic Broadc. Ltd,** St. Ninian St, Antigonish, NS. **L.P:** St. Mgr: J. C. Nunn. **D.Prgr.** 09.00-03.15. **N:** 09.00, 11.00, 12.00, 13.00, 14.00, 15.15, 16.00, 18.00, 19.00, 20.00, 22.00, 01.00, 03.15. **V.** by letter.

18) **H. F. Dougall Co. Ltd,** 87 No. Hill St, Port Arthur, Ont. **L.P:** St. Mgr: J. W. Hagerman. Dir. Tec: W. Pinko. **D.Prgr:** 12.52-08.02. **N. in English:** 14.50, 19.00, 21.50, 00.20, 01.30, 05.00. **V.** by letter.

19) **University of Alberta,** 10526 Jasper Ave, Edmonton, Alta.

20) **Moffat Broadc. Ltd,** 432 Main St, Winnipeg, Man. **L.P:** Dir. Gen: R. L. Moffat. Dir. Tec: A. Malowanchuk. **D.Prgr:** 24h. **V.** by letter.

21) **Kapuskasing Broadc. Co. Ltd,** 7 Superior St, Kapuskasing.

22) **Hall-Gray Broadc. Co. Ltd,** Hudson St, Salmon Arm, B.C.

23) **Colonial Broadc. System Ltd,** P.O. Box 1590, St. John's, Nfld. **L.P:** Gen. Mgr: W. Williamson. Dir. Tec: W. B. Williams. **D.Prgr:** 08.58-03.30. **V.** by letter.

24) **Shoreacres Broadc. Co. Ltd,** 247 Davonport Rd, Toronto 5, Ont. **D.Prgr:** 24h. **V.** by letter.

25) **Arctic R. Corpo. Ltd,** 75 Callinan St, Flin Flon, Man.

26) **Skeena Broadcasters Ltd,** Terrace, B.C.

27) **R. Saguenay Ltée,** 175 Sir Wilfrid Laurier St, Jonquière, Qu.

28) **Canadian Marconi Co,** 405 Ogilvy Ave, Montreal 15, Qu. **L.P:** Dir. Gen: S. B. Hayward. Dir. Tec: J. C. Douglas. **N:** Every h on the h. **V:** by QSL-card.

29) **Northern Broadc. Ltd,** Callander, Ont.

30) **A. A. Murphy & Sons Ltd,** 216 First Ave, No. Saskatoon, Sa. **L.P:** Gen. Mgr: V. Dallin. Chief Eng: J. Vander Tuuk. **V.** by QSL-card.

31) **CJOR Ltd,** 846 Howe St, Vancouver, B.C. **L.P:** St. Mgr: J. Donaldson. Dir. Tec: S. Davis. **D. Prgr:** 14.00-10.00. **N:** 14.00, 14.30, 15.00, 15.30, 16.00, 16.30, 17.00, 18.00, 19.00, 20.00, 21.00, 22.00, 23.00, 24.00, 00.30, 01.00, 01.30, 02.00, 03.00, 04.00, 05.00, 06.00, 08.00, 09.00.

32) **Colchester Broadc. Co. Ltd,** 840 Prince St, Truro, N.S.

33) **La Cie Gaspésienne de Radiodiff. Ltée,** Rue Principale et Boul. Perron, New Carlisle, Qu.
34) **Niagara District Broadc. Co. Ltd,** P.O. Box 610, St. Catharines, Ont. **L.P:** Pres: W. B. C. Burgoyne. St. Mgr: Miss M. C. Burgoyne. Dir. Tec: W. H. Allen. **D.Prgr:** 24h exc. Sun 07.00-12.40. **N:** Every half h 05.00-13.00 and 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00, 21,00, 22.00, 23.00, 23.30, 04.00. **V:** by QSL-card and letter.
35) **Peace River Broadc. Corpo,** Box 1150, Peace River. **L.P:** Gen. Mgr: G. Cambridge. **D.Prgr:** 13.00-07.00. **V:** by QSL-card. Recordings accepted. Rp.
36) **Mystery Lake Broadc. Ltd,** Thompson, Man.
37) **Kootenay Broadc. Co. Ltd,** 1300 Cedar St, Trail, B.C.
38) **Radio C.K.M.L. Inc,** 267 Blvd. Paquette, Mont Laurier, Qu.
39) **J. Conrad Lavigne Ltd,** P.O. Box 620, Timmins, Ont. **L.P:** Dir. Gen: J. C. Lavigne. St. Mgr: P. Stein. Dir. Tec: F. Palmer. **D.Prgr:** 11.00-05.00. **N:** 11.00, 11.30, 12.00, 12.30, 12.55, 14.00, 15.00, 15.55, 17.00, 17.30, 18.00, 18.55, 21.00, 22.00, 23.00, 23.30, 03.00, 04.00. **V.** by QSL-card.
40) **R. St. CKCK,** P.O. Box 6200, Regina, Sask. **L.P:** St. Mgr: J. Struthers. Dir. Tec: H. Dean. **D.Prgr:** 24 h. **N:** Every h on the h. **V.** by QSL-card.
41) **Colonial Broadc. System Ltd,** Grand Falls, Nfld. **L.P:** St. Mgr: J. Murdoch. Dir. Tec: H. G. Feltham. **D.Prgr:** 10.00-05.30. **V.** by letter (belongs to 23).
42) **Islands R. Broadc. Co. Ltd,** 85 Kent St, Charlottetown, PEI. **L.P:** St. Mgr: R. F. Large. Dir. Tec: G. M. Tait. **D.Prgr:** 24 h. **V.** by letter. Rp.
43) **Great Lakes Broadc. System,** 42 King St. West, Chatham.
44) **R. St. CHED Ltd,** 10006 — 107th St, Edmonton, Alta.
45) **R. Television Sherbrooke,** 221 Dufferin St, Sherbrooke, Que. **L.P: Pres:** J. L. Gauthier. St. Mgr: Girard. **D.Prgr:** 11.00 (Sun 13.00)-05.00. **V.** by letter.
46) **Rideau Broadc. Ltd,** Smith Falls, Ont.
47) **Transcanada Communications Ltd,** 300 Carlton St, Winnipeg, Man. **D.Prgr:** 24 h. **V.** by QSL-card and letter.
48) **Muskoka—Parrysound Broadc. Ltd,** Huntsville, Ont.
49) **Okanagan Broadcasters Ltd,** 1491 Pendozi St, Kelowna, B.C.
50) **R. Edmonton Ltd,** 10012-109è Rue, Edmonton, Alta. **L.P:** St. Mgr: B. J. Gagnon. Dir. Tec: A. Rouleau. **D.Prgr:** 13.50-07.05 in French. **N:** 13.55, 14.28, 15.00, 15.28, 16.00, 17.00, 18.00, 19.15, 20.28, 21.00, 22.00, 23.00, 00.00, 00.30, 00.55.
51) **Newfoundland Broadc. Co. Ltd,** Grand Falls, Nfld. **D.Prgr:** 24 h. **N:** on the h.
52) **R. OB Ltd,** 930 Portage Ave, Winnipeg 10, Man.
53) **Timmins Broadc. Ltd,** Thomson Bldg, Timmins, Ont.
54) **R. St. CHFI,** 13, Adelaide St. East, Toronto, Ont. **L.P:** Pres: E. S. Rogers. Dir. Tec: R. Turnpenny. **D.Prgr:** 24 h.
55) **Souwesto Broadcasters Ltd,** 133 Curtis St, St. Thomas, Ont.
56) **R. Gravelbourg Ltée,** Gravelbourg, Sask.
57) **R. Témiscamingue Inc,** Rue-Saint Anne, Ville-Marie, Que.
58) **Newfoundland Broadc. Co. Ltd,** Grand Bank, Nfld.
59) **Sun Parlor Broadcasters Ltd,** 23 Erie St. No, Leamington.
60) **R. St. CKAC,** 7 St. James Str. West, Montréal, Que. **L.P:** Gen. Mgr: J. M. Goulet. Dir. Tec: J. A. Lange. **D.Prgr:** 24 h. **V.** by QSL-card.
61) **Dauphin Broadc. Co. Ltd,** 3rd Ave. N.E, Dauphin, Man. **D.Prgr:** 24 h.
62) **Moffat Broadc. Ltd,** 1006 Richards St, Vancouver, B.C. **D.Prgr:** 14.00-08.00. **N:** On the h. **V.** by letter.
63) **Algonquin Radio-TV Co. Ltd,** Blind River, Ont.
64) **R. Dartmouth Ltd,** Dartmouth, N.S.
65) **Camrose Broadc. Co. Ltd,** Box 1600, Camrose, Alta. **L.P:** St. Mgr: W. H. Holte. Dir. Tec: L. Olson. **D.Prgr:** 24 h. **N:** Every h on the h. **V.** by QSL-card. Recordings accepted.
66) **Cambrian Broadc. Ltd,** 336 Ash St, Sudbury, Ont. **D.Prgr:** 13.00-07.00.
67) **CHIC Radio Ltd,** 2 Ellen St, Brampton, Ont.
68) **Miramichi Broadc. Co. Ltd,** Castle St, Newcastle, N.B.
69) **CHAB Ltd,** 127 Main St, Moose Jaw, Sask. **D.Prgr:** 12.00-07.00.
70) **CHRC Ltée,** 1143 rue St. Jean, Quebec 4, Que. **L.P:** St. Mgr: A. Pelletier. Dir. Tec: A. Nadeau. **D.Prgr:** 11.00-07.00. **N:** 13.00, 18.00, 22.55, 03.30 + headlines hourly 5 min before the h. **V.** by letter and QSL-card. Rp.
71) **CJAD Ltd,** 1407 Mountain St, Montreal, Que. **L.P:** Dir. Gen: W. C. Thornton Cran. St. Mgr: H. T. McCurdy. Dir. Tec: E .Mott. **D.Prgr:** 24 h. **N:** On the h and 11.30, 12.30, 13.30, 17.30. **V.** by QSL-card.
72) **Lakehead Broadc. Co. Ltd,** 213 Myles St, Fort William.
73) **Okanagan Radio Ltd,** P.O. Box 338, Penticton, BC. **L.P:** St. Mgr: R. Robinson. Dir. Tec: H. McRae. Dir. Prgr: W. B. Heinrich. **D.Prgr:** 14.00-09.00 (Sun 15.00-08.00). **N:** Every h on the h exc. 21.00, 22.00, 04.00, 05.00. Also at 14.30, 15.30, 16.30, 17.30, 18.30, 20.30, 21.30, 22.30, 01.30. **V.** by letter. Rp.
74) **Western Ontario Broadc. Co. Ltd,** 825 Riverside Dr, Windsor, Ont.
75) **Border Broadc. Ltd,** 240 1/2 Scott St, Fort Frances, Ont.
76) **Quinte Broadc. Co. Ltd,** 45 Bridge St. East, Belleville, Ont.
77) **Wesley United Church R. Board,** Patrick St, St. John's,
78) **CHQR Radio,** 1030-4th St, Calgary, Alta. **L.P:** Pres. & Gen. Mgr: T. Soskin. **D.Prgr:** 24h. **V.** by letter.
79) **Central Alberta Broadc. Co. (1961) Ltd,** 5405 Gaetz Ave, Red Deer, Alta.
80) **R. Futura Ltée,** 211 Gordon Ave, Verdun, Que. **L.P:** Dir. Gen: J. Tietolman. Dir. Tec: M. Rousseau. **D.Prgr. in English & French:** 24 h. **N:** 5 min before each h (English & French); **V.** by QSL-card. Recordings accepted.
81) **City and Country Radio Ltd,** Langley, B.C.
82) **Maple Leaf Broadc. Co. Ltd,** 848 Main St. East, Hamilton, Ont. **L.P:** St. Mgr: W. E. "Bill" Hall. Dir. Tec: E. Victor. **D.Prgr:** 24 h. **N:** 05.00, 06.00, 07.00, 08.00, 09.00, 10.00, 11.00, 11.30, 12.00, 12.30, 12.45, 13.30, 14.00, 15.00, 16.00, 17.00, 17.30, 20.00, 21.00, 22.00, 23.00, 24.00, 04.00. **V.** by letter.
83) **The Sudbury Broadc. Co. Ltd,** 166 Elm St. West, Sudbury, Ont.
84) **Lower St. Lawrence R. Inc,** 13 St. Jean Baptiste, Rimouski.
85) **Island Broadc. Co. Ltd,** P.O. Box 940, Victoria, BC. **L.P:** Gen. Mgr: K. C. Goddard. St. Mgr: W. Guild. Dir. Tec: M. Doyle. **D.Prgr:** 24 h. **N:** every h on the h, and 14.30, 15.30, 16.30, 20.30, 00.35, 01.05, 01.35. **V.** by letter. **Pub:** Prgr. schedule free. Recordings accepted.
86) **Central Broadc. Co. Ltd,** CKBI Bldg, 10th St, Prince Albert, Sask.
87) **R. Nord Inc,** Angle 3è Avenue et 3è rue, Val d'or, Que.
88) **Tantramar Broadc. Ltd,** 32 Church St, Amherst, N.S.
89) **Lake of the Woods Broadc. Ltd,** Dryden, Ont.
90) **R. Laurentides Inc,** Hôtel Lapointe, Saint-Jérôme, Que.
91) **CKTS Radio,** 221 Dufferine St, Sherbrooke, Que. **L.P:** Dir. Gen: J. Dunne. Gen. Mgr: H. Delorme. Dir. Tec: R. Thieboult. **V.** by QSL-card.
92) **Twin Cities Radio Ltd,** 460 Pemberton Terrace, Kamloops, B.C. **L.P:** St. Mgr: I. G. Clark. Dir. Tec: K. Reichenek. **D.Prgr:** 14.00-08.00. **N:** 5 min before the h and 20.10. **V.** by letter.
93) **R. Station CJDV,** Broadc. Bldg, Drumheller, Alta. **L.P:** Gen. Mgr: T. Mayer. Dir. Tec: J. Bruin. **Dr.Prgr:** 24 h. **N:** Every half h. **V.** by QSL-card.
94) **R. Roberval Incorporée,** A. L. Green Building, Roberval, Que.
95) **Greg-May Broadc. Ltd,** 249 Kent Street West, Lindsay, Ont.
96) **R. CJHC 920 Ltd,** 2885 Robie St, Halifax, NS. **L.P:** Gen. Mgr: F. G. Sherratt. Dir. Tec: R. M. McCausland. **D.Prgr:** 24 h. **N:** 5 min's before the h.
97) **Algonquin R. TV Co. Ltd,** 254 Queen St. East, Sault Ste. Marie, Ont.
98) **Portage-Delta Broadc. Co. Ltd,** Portage la Prairie, Man.
99) **Carleton-Victoria Broadc. Co. Ltd,** Ross Bldg. Main St, Woodstock, N.B.
100) **R. St. CKNX Ltd,** Corner of Carling Terrace and John St, Wingham, Ont.
101) **Fundy Broadc. Co. Ltd,** 68 Carleton St, John, N.B. **D.Prgr:** 10.00-05.00 (Sun 12.00-04.15). **V.** by letter.
102) **Edmonton Broadc. Co. Ltd,** 10113-104th St, Edmonton, Alta. **L.P:** St. Mgr: J. D. Elton. Dir. Tec: G. Skutle. **D.Prgr:** 24 h. **N:** on the h. **V.** by QSL-card. Recordings accepted.
103) **Newfoundland Broadc. Co,** Prince of Wales St, St. Johns, Nfld.
104) **R. St. CJGX,** Tower Bldg, Yorkton, Sask. **L.P:** St. Mgr: G. G. Gallagher. Dir. Tec: H. Kerr. **D.Prgr:** 24 h. **V.** by QSL-card. Recordings accepted.
105) **Interior Broadc. Ltd,** 3315 B. Barnard Ave, Vernon, B.C.
106) **Barrie Broadc. Co. Ltd,** Box 519, Barrie, Ont. **L.P:** St. Mgr: R. C. Hunter. Dir. Tec: H. Atkinson. **D.Prgr:** 11.00-05.00. **N:** 11.30, 12.00, 12.30, 12.50, 13.30, 14.00, 15.00, 16.00, 17.00, 17.30, 18.00, 19.00, 20.00, 21.00, 22.00, 22.30, 23.00, 24.00, 01.00, 02.00, 03.00, 04.00, 05.00. **V.** by letter.
107) **Restigouche Broadc. Co. Ltd,** P.O. Box 340, Campbellton, N.B. **L.P:** St. Mgr: W. J. Freeman. Man. Dir: P. Athier. **D. Prgr:** 10.30-04.00. **V.** Reports not wanted.
108) **CHER Broadc. Ltd,** P.O. Box 950, Sydney, N.S. **L.P:** Man. Dir: R. D. Neima. Dir. Tec: N. Robar. **D.Prgr:** 24 h exc. Mon 04.00-10.00. **V.** by letter. Recordings accepted.
109) **Calgary Broadc. Co. Ltd,** 1301-17th Ave. S.W, Calgary, Alta. **L.P:** Pres: & Gen. Mgr: D. F. Penn. **D.Prgr:** 24 h. **V.** by QSL-card. Recordings accepted.
110) **Maritime Broadc. Co. Ltd,** P.O. Box 400, Halifax, N.S. **Te:** (902) 422-1651. **L.P:** Gen. Mgr: F. W. Arenburg. Dir. Tec: R. A. Parker. **D.Prgr:** 24 h. **N:** On the h. **Ann:** "This is R. St. CHNX, Halifax, Nova Scotia". **V.** by QSL-card. Rp.
111) **Frontenac Broadc. Co. Ltd,** 170 Queen St, Kingston, Ont. **L.P:** St. Mgr: R. Hofstetter. **D.Prgr:** 10.30-06.30. **V.** by letter. Recordings accepted.
112) **La Compagnie de Radiodiff. CKCH de Hull, Ltée,** 72 Laval St, Hull, Que.
113) **CFPL Radio,** P.O. Box 2580, London, Ont. **L.P:** Gen. Mgr: M. T. Brown. St. Mgr: W. Cornell. Dir. Tec: G. A. Robitaille. **D.Prgr:** 24 h. **N:** On the h. (95.9MHz=Londons Fine Music Station). **V.** by letter. Recordings accepted.
114) **Kawartha Broadc. Co. Ltd,** Box 659, Peterborough, Ont. **L.P:** St. Mgr: W. Rewegan. Chief Eng: A. E. Crump. **D.Prgr:**

11.00-06.15. **N:** Every h on the h. **V.** by QSL-card. Rp.
115) **Maisonneuve Broadc. Corp. Ltd,** 1445 Drummond St, Montreal, Que. **L.P:** Dir. Gen: G. Stirling. St. Mgr: D. Wall. Dir. Tec: C. Jarrette. **D.Prgr:** 24 h. **N:** Every h on the h. **V.** by QSL-card or letter.
116) **R. NW Ltd,** Windsor Hotel, New Westminster, BC.
117) **CKRM Radio,** Box 9800, Regina, Sask. **L.P:** Gen. Mgr: J. T. Miller. Dir. Tec: L. V. Cozine. **D.Prgr:** 24 h. **N.** on the h and half h. **V.** by QSL-card.
118) **Acadia Broadc. Corpo, Ltd,** 399 King St, Bridgewater. **L.P:** St. Mgr: J. F. Hirtle. Dir. Tec: D. B. Hirtle. **D.Prgr:** 09.58 (Sun 10.58)-04.15. **N:** 10.00, 10.30, 11.00, 11.30, 12.00, 13.00, 14.00, 15.00, 16.00, 16.30, 17.00, 18.00, 19.00, 20.00, 20.55, 22.00, 23.00, 24.00, 00.55, 03.00, 04.00. **V.** by QSL-card or letter. Recordings accepted. Rp.
119) **CFRB Ltd,** 2 St. Clair Ave. West, Toronto, Ont. **L.P:** Gen. Mgr: D. H. Hartford. St. Mgr: J. Dawson. Dir. Tec: C. Eastwood. **D.Prgr:** 24 h. **N:** Every h on the h. **Ann:** "CFRB, Toronto, 1010 on your dial, Ontario's authoritative news voice". **V.** by QSL-card. Recordings not wanted.
120) **Northern Broadc. Corpo. Ltd,** 10008-103rd Ave, Grande Prairie, Alta. **L.P:** Dir: C. A. Perry. Dir. Tec: J. de Roaldes. **D.Prgr:** 24 h. **N:** On the h. **V.** by letter.
121) **R. CHUM—1050 Ltd,** 1331 Yonge St, Toronto 7, Ont.
122) **Hyland R. TV Ltd,** 119 East St, Sault Ste. Marie, Ont.
123) **R. St. CKSB,** 607 rue Langevin, Saint-Boniface, Man. **L.P:** Dir: R. Couture. Dir. Tec: R. Brodeur. **D.Prgr:** 12.30-06.15 in French. **N:** 12.30, 13.00, 13.30, 13.55, 15.00, 16.00, 17.00, 18.00, 19.00, 21.00, 22.00, 23.00, 24.00, 01.00, 03.00, 05.00. **V.** by letter. Rp.
124) **Northwestern Broadc. Co. Ltd,** 1721 Main St, North Battleford, Sask.
125) **The Voice of the Prairies Ltd,** Broadc. House, Calgary, Alta. **Te:** (403)249-9101. **L.P:** St. Mgr: R. F. Irvine. Dir. Tec: R. W. Lamb. **D.Prgr:** 24 h. **N:** hourly. **Ann:** "CFCN, The Voice of the Prairies, 1060 Radio". **V.** by QSL-card. Recordings accepted.
126) **CJLR Inc,** P.O. Box 4200, Quebec, Que. **D.Prgr:** 12.00-09.00. **V.** by letter.
127) **Sarnia Broadc. (1964) Ltd,** 148½ N. Front St, Sarnia, Ont. **L.P:** Gen. Mgr: K. E. Monk. Dir. Tec: R. F. Cooke. **D.Prgr:** 11.00-06.00. **N.** 13.00, 23.00. **V.** by letter. Recordings accepted.
128) **CFAX Radio 1070 Ltd,** Victoria, B.C.
129) **Sask-Alta Broadc. Ltd,** 5036-50th St, Lloydminster, Alta.
130) **Southern Alberta Broadc. Ltd,** 401 Mayor Magrath Drive, Lethbridge, Alta. **L.P:** St. Mgr: H. W. Brown. Prgr. Dir: B. MacDonald. **D.Prgr:** 12.00-09.00. **N:** Every h on the h and at 14.30, 15.30, 19.30, 22.30. **V.** by letter. Reports to Box 1090, Lethbridge.
131) **R. Iberville Ltd,** C.P. 1090, Jacques-Cartier, Que. **L.P:** Gen. Mgr: P. P. Elie. Dir. Tec: E. Pattermann. **D.Prgr's:** 12 hrs (daytime only). **N:** 5 min before each h. **V.** by QSL-card or letter. Recordings accepted.
132) **R. St. CHQT Ltd,** Jasper Ave & 112th St, Edmonton, Alta.
133) **CFML Radio (Cornwall) Ltd,** 1308 Pitt St, Cornwall, Ont.
134) **CKWX R. Ltd,** 1275 Burrard St, Vancouver, B.C.
135) **Bow Valley Broadc. Co. Ltd,** 804-16th Ave, SW, Calgary, Alta.
136) **New Brunswick Broadc. Co. Ltd,** Broadc. House, Crown & Union St, Saint John, N.B.
137) **Wentworth R. Broadc. Co. Ltd,** 73 Garfield St, So, Hamilton, Ont. **L.P:** Dir. Gen: C. Sifton. Vice Pres. & Gen. Mgr: D. R. Dawson. Dir. Tec: L. Horton. **D.Prgr:** 24 h. **N:** Every h on the h and 12.30, 13.30, 14.30, 18.30, 00.30. **V.** by letter.
138) **CKTR (1958) Ltdée, 543** rue Gervais, Trois Rivières, Aue. **L.P:** St. Mgr: C. Couture. Dir. Tec: H. Lapointe. **V.** by QSL-card and by letter. Rp.
139) **Western Manitoba Broadc. Ltd,** 2490 Victoria Ave, Brandon, Man.
140) **R. Prairies-Nord Ltée,** Block 1400 Alexandra St, Saskatoon, Sask.
141) **Lethbridge Broadc. Ltd,** 1015-3rd Ave, So. Lethbridge, Alta.
142) **Capital Broadc. System Ltd,** P.O. Box 967, Victoria, B.C. **D.Prgr:** 24 h. **V.** by letter. Rp.
143) **Moncton Broadc. Ltd,** P.O. Box 1220, Moncton, N.B. **L.P:** Man. Dir: E. A. Lynds. Dr. Tec: R. Oke. **D.Prgr:** W 10.00-05.00 (Sat 06.00). Sun 12.00-0415. **V.** by QSL-card. Recordings accepted.
144) **R. St. C.H.S.C. Ltd,** 36 Queenston St, St. Catharines, Ont.
145) **Lake of the Woods Broadc. Ltd,** Johnson Block, 114 Main St, Kenora, Ont.
146) **Tri-Co Broadc. Ltd,** 237 Water St. East, Cornwall, Ont.
147) **The Shawinigan Falls Broadc. Co. Ltd,** Edifice Hôtel de Ville, Shawinigan, Que.
148) **CFBV Ltd,** 229 Queen St, Smithers, B.C.
149) **Ralph H. Parker Ltd,** 230N Cumberland St, Port Arthur, Ont.
150) **R. Marie-Chapdelaine Inc,** 540 Walberg Blvd, Dolbeau, Que.
151) **R. Mégantic Limitée,** 327, rue l'Abbé, Thetford Mines, Que.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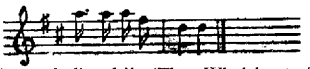
MORE INFORMATION ON PAGE 83

152) **Midland-Penetang Broadc. Ltd,** Midland, Ont.
153) **Skeena Broadc. Ltd,** Kitimat, B.C.
154) **R. La Tuque Ltd,** 529 rue St-Louis, La Tuque, Que.
155) **Fraser Valley Broadc. Ltd,** Abbotsford, B.C.
156) **CJAV Ltd,** 205 3rd Ave. South, Port Alberni, B.C.
157) **Hyland Radio-TV Ltd,** 119 East St, Sault Ste. Marie, Ont.
158) **Okanagan Radio Ltd,** Main St, Osoyoos, B.C.
159) **La Compagnie de Radiodiff. de Matane Ltée,** 155, rue St. Sacrament, Matane, Que. **L.P:** Dir. Gen: R. Lapointe. Dir. Tec: Y. Fortier. **D.Prgr** (French): 10.00-05.00. **N.** on the h. **V.** by QSL-card.
160) **Saskatoon Community Broadc. Co. Ltd,** Empire Hotel, Saskatoon.
161) **Southern Manitoba Broadc. Co,** P.O. Box 1000, Altona, Man. **L.P:** St. Mgr: E. Hildebrand. Dir. Tec: J. J. Pauls. **D.Prgr:** 24 h. **N:** On the h and at 13.30, 18.30, 00.30. **V.** by QSL-card. Recordings accepted. Rp. **Pub:** Prgr schedule free.
162) **CHWO R. Ltd,** 490 Wyecrott Road, Oakville, Ont.
163) **The Sunwapta Broadc. Co. Ltd,** Broadc. House, Jasper Highway West, Edmonton, Alta. **L.P:** St. Mgr: A. J. Hopps. Dir. Tec: T. E. Wadson. **D. Prgr:** 12.00-08.00. **N:** Every 30 min's 12.30-15.30, on the h 16.00-08.00 and at 19.20, 00.30. **V.** by QSL-card. Written reports preferred.
164) **Monarch Broadc. Co. Ltd,** Box 880, Medicine Hat, Alta. **L.P:** St. Mgr: T. G. Gunter. Dir. Tec: S. Gaffney. **D.Prgr:** W 13.00-08.00. Sun 14.00-07.00. **N:** Every 30 min's. **German:** 14.30. **V.** by letter.
165) **Fraser Valley Broadc. Ltd,** P.O. Box 50, Chiliwack, B.C. **L.P:** Pres: M. Maclachlan. **D.Prgr:** 14.00-08.00. **V.** by letter.
166) **Cape Breton Broadc. Ltd,** R. Bldg. 318 Charlotte St, Sydney, N.S. **Te:** (902)564-5596. **Telex:** 014-4595. **L.P:** Gen. Mgr: N. L. Hathanson. Dir. Tec: A. Vernon. **D.Prgr:** 09.00-05.00.
167) **R. Lac St Jean Limitée,** 740 Avenue Du Pont, Alma, Que.
168) **R. St. CHIQ,** Terminal Towers, King St. East, Hamilton, Ont. **D.Prgr:** 24 h.
169) **CJMS R. Montreal Ltd,** 1700 Berri St, Montreal, Que. **L.P:** Gen. Mgr: R. Demers. **D.Prgr:** 24 h in French. **N:** Every half h. **V.** by letter.
170) **CKCV (Québec) Ltd,** 978 rue Saint-Jean, Quebec. **L.P:** Dir. Gen: M. Alain. Dir. Tec: L. Gobeil. **D.Prgr:** 11.00-07.00 in French. **N:** Every half h. **V.** by letter. Rp — (171) Sec 161.
172) **Sunshine Coast Broadc. Co. Ltd,** Alberni St, Powell River, B.C.
173) **Soo Line Broadc. Co. Ltd,** Estevan, Sask.
174) **Middlesex Broadc. Ltd,** Hotel London Ltd, 279 Dundas St, Room 309, London, Ont.
175) **Midwest Broadc. Ltd,** 1771 Rose St, Regina, Sask.
176) **CFGM Broadc. Ltd,** 50 Yonge St. North, Richmond Hill, Ont. **L.P:** St. Mgr: S. H. Coxford. Dir. Tec: G. Symons. **D.Prgr:** 24 h. **N:** on the headlines on the half h. **V.** by letter or QSL-card. Rp.
177) **CHGB Ltée,** 508 4th Ave, La Pocatière, Que. **L.P:** Dir. Gen: G. T. Desjardins. Dir. Tec: M. A. Frève. **D.Prgr:** French: 11.00-07.00. **N:** Every h on the h. **V.** by letter. Recordings accepted.
178) **CKOY Ltd,** 635 Richmond Rd, Ottawa, Ont.
179) **Vancouver Broadc. Associates Ltd,** Vancouver, B.C.
180) **Central Ontario Television Ltd,** 864 King St. West, Kitchener, Ont.
181) **R. Richelieu Limitée,** 72 rue du Roi, Sorel, Que.
182) **Hector Broadc. Co. Ltd,** 130 George St, New Glasgow, N.S.
183) **Goose Lake Broadc. Co. Ltd,** Rosetown, Sask.
184) **Soo Line Broadc. Co. Ltd,** Corner Souris Ave. & 3rd St, Weyburn, Sask.
185) **Oxford Broadc. Co. Ltd,** 290 Dundas St, Woodstock, Ont.
186) **Lakeland Broadc. Co. Ltd,** 16 Centre St, Oshawa, Ont.
187) **The Ottawa Valley Broadc. Co. Ltd,** 319 Pembroke St. East, Pembroke, Ont.
188) **R. Station CJDC Ltd,** 9th St. & 2nd Ave, Dawson Creek, B.C.
189) **R. Richelieu Limitée.** 113 St. Paul St, Joliette, Que.
190) **Evangeline Broadc. Co. Ltd,** Radio Centre, Kentville, N.S.
191) **Bathurst Broadc. Co. Ltd,** 455 Golf St, Bathurst, N.B.
192) **R. Valleyfield Ltd,** 249 Victoria St, Valleyfield, Que.
193) **St. Lawrence Broadc. Co. Ltd,** 99 Brock St, Kingston, Ont.
194) **The Telephone City Broadc. Ltd,** 571 West St, Brantford, Ont. **L.P:** Gen. Mgr: R. D. Buchanan. Dir. Tec: J. A. Featherston. **D.Prgr.** 10.30 (Sun 11.30)-06.00. **N:** 10.30, 11.00, 11.30, 12.00, 12.30, 13.00, 13.30, 14.00, 15.00, 16.00, 1725, 20.00, 21.55, 23.00, 24.00, 02.00, 04.00, 05.00, 06.00. **V.** by QSL-card. Recordings accepted.
195) **R. Victoriaville Limitée,** 55 St. Jean Baptiste St, Victoriaville, Que.
196) **News Publishing Co. Ltd,** 266 Baker St, Nelson, B.C.
197) **R. CJFP Ltée,** 1 Christophe Colomb St, Rivière-du-Loup, Que.
198) **Frontier City Broadc. Co. Ltd,** 134 Central Ave, Swift Current, Sask.
199) **Chateau Broadc. Co,** 2015 Drummond St, Montreal 25, Que. **L.P:** Pres. & Gen. Mgr: C. G. Stanzcykowski. **D.Prgr:** 10.00-06.00 on English/French. **N:** 5 min's before the h. **V.** by letter.
200) **R. CFUN Ltd,** 1900 W, 4th Ave, Vancouver 9, BC.
201) **London Broadc. Ltd,** 343 Richmond St, London, Ont.
202) **R. CJVR Ltd,** 611 Main St, Melfort, Sask.
203) **C.J.M.T. Limitée,** 365 rue Racine-East, Chicoutimi, Que.
204) **R. CHUM—1050 Limited,** Peterborough, Ont.
205) **Foster Hewitt Broadc. Ltd,** 1 Greenville St, Toronto, Ont. **L.P:** St. Mgr: F. W. A. (Bill) Hewitt. Dir. Tec: G. Wilson. **D.Prgr:** 24 h. **N:** On the h and every 30 min's at 12.00-14.00 & 22.00-24.00. **V.** by letter. Recordings not wanted. Rp. **Pub:** Prgr. schedules free.
206) **Confederation Broadc. (Ottawa) Ltd,** 140 Wellington St, Ottawa, Ont. **L.P:** St. Mgr: B. A. Savage. Dir. Tec: B. Thomas. **D.Prgr:** 24h. **N:** 10.30, 11.00, 11.30, 12.00, 12.30, 13.00, 13.30, 14.00, 17.00, 17.30, 18.00, 21.30, 22.00, 22.30, 23.00, 23.30. **V.** by QSL-card. Recordings accepted.
207) **CFCP Radio Ltd,** Courtenay, B.C.
208) **Eastern Ontario Broadc. Co. Ltd,** Revere Hotel, Brockville, Ont.
209) **La Voix de l'Est Limitee,** 13 rue Centre, Granby, Que.
210) **R. CHUC Limited,** Cobourg, Ont.
211) **La Radio du Bas St-Laurent Inc,** Causapscal, Que.
212) **CJOY Ltd,** Box 217, Guelph, Ont. **L.P:** Gen. Mgr: F. T. Metcalf. Dir. Tec: R. Nagyobb. **D.Prgr:** 24 hrs. **N:** by letter. Recordings accepted.
213) **R. Beauce Inc,** 30 rue Saint-Antoine, Ville Saint-Georges, Beauce County, Que. **D.Prgr:** 11.00-04.00. **N. in French:** 5 min before the h. **V.** by letter. Rp.
214) **Lakeshore Broadc. Ltd,** P.O. Box 1470, Montreal, Que. **D.Prgr:** W 10.00-07.00, Sun 11.00-06.00. **V.** by letter. Recordings accepted.
215) **Winnipeg Broadc. Associates Ltd,** 457 Main St, Winnipeg, Man. **L.P:** Dir. Gen: D. L. Croston. St. Mgr: H. R. Priddle. Dir. Tec: J. J. Pouls. **D.Prgr:** D. exc. Mon 24 h. Mon: 12.00-06.00. **N:** Every h on the h and 12.30, 13.30, 14.30, 18.30. **V.** by QSL-card.
216) **R. Winnipeg,** 457 Main St, Winnipeg 2, Man. **L.P:** Gen. Mgr: J. O. Blick. Dir. Tec: J. Hoeppner. **D.Prgr:** 24 h. **D.Prgr: N:** on the h and half h. **V.** by letter. Recordings accepted.
217) **Wellport Broadc. Ltd,** Welland, Ont.
218) **R. Drummond Limitée,** 449 Heriot St, Drummondville, Que.
219) **Greatlakes Broadc. Co. Ltd,** 305 King St, Kitchener, Ont. **L.P:** St. Mgr: R. Bambury. Dir. Tec: W. Graham. **D.Prgr:** 24 h. **V.** by letter. Recordings accepted. **Pub:** Prgr. schedule free.
220) **Frontier City Broadc. Co. Ltd,** Shaunavon, Sask.
221) **Evangeline Broadc. Co. Ltd,** Middleton, N.S.
222) **R. Alleghanys Inc,** Montmagny, Que.
223) **R. CKAY Ltd,** 110 Craig St, Duncan, B.C.
224) **Tillsonburg Broadc. Co. Ltd,** 20 Baldwin St, Tillsonburg, Ont.
225) **R. 1540 Ltd,** 637 Collège Str, Toronto, Ont. **L.P:** Pres: I. Lombardi. **D.Prgr:** 11.00-02.00. **V.** by letter.
226) **Great Lakes Broadc. Ltd,** 241 W St. No, Orillia, Ont. **L.P: Dir. Gen:** D. G. Hildebrand. St. Mgr: D. A. Johns. Dir. Tec: J. Profit. **D.Prgr:** 24 h. **N:** Every h on the h. Also 11.30, 12.30, 13.30, 17.30, 23.30. **V.** by QSL-card.
227) **Nanaimo Broadc. Ltd,** Malaspina Hotel, Front St, Nanaimo, B.C.
228) **R. Laval Inc,** 1184 St. Catherine St. West, Montreal, Que. **D. Prgr:** 24 h. **V.** by QSL-card. Recordings accepted.
229) **R. Niagara Ltd,** Park Motor Hotel, Clifton Hill, Niagara Falls, Ont. **D.Prgr:** 10.30 (Sun 12.00)-05.00. **V.** by letter. Rp.

## GREENLAND (Danish Territory)

**L.T:** GMT−3 h — **Pr.L:** Greenlandic, Danish.

**GRONLANDS RADIO (Gov).**
**ADDR:** Grønlands Radiofoni, Godthab. **Te:** 1172. **Cable:** Radiofoni — **L.P:** Dir. Broadc: Fr. Nielsen, Dir. Tec: E. Hecksher. Tec. Dept: K. Sivertsen.
**STATIONS:** Godthåb 570kHz 526m 25kW — Godhavn 650kHz 461.5m 5kW — Frederikshåb 820kHz 365.9m 5kW — Godthåb FM 97.2MHz 0.25kW.
**Shortwaves:** Godthåb (G.C: 51.44W/64.10N) 1.5kW: 3999kHz 75.02m d(So) — 5960kHz 50.34m d (Ea) — 5980kHz 50.17m d(No).
All mw-prgr's are radiated over sw-tr's with dir. aerials towards Ea, So. and No.
**HOME SCE:** W 10.30-11.30, 15.00-16.05 (Sat 16.30), 20.30-02.20 (Sat 03.00); Sun 11.30-12.30, 15.00-16.30, 17.00-18.00, 19.00-02.00 — **N:** W 11.00, 15.30, 21.40, 01.40; Sun 21.40, 01.40 — **Wrp:** W 10.40, 16.00, 21.15, 02.15; Sun 11.30, 12.25, 16.25, 22.35, 02.15 — **Norwegian:** Sun 19.00-20.00 (only 16/4-11/6 and 3/9-26/11) — **Faroese:** Sun 20.00-20.40 (only 2/4-26/11).
**ANN:** "Kalâtdlit-nunâta râdiua — Grønlands radio . . ." — **V.** by letter or card. Rp.



**INT-SIG:** "Sunia kaligpok" (The Whaleboat "Sonja" drags Whale) played on celeste.

## ST. PIERRE ET MIQUELON

**L.T:** GMT−3 h — **Pr.L:** French.

**OFFICE DE RADIODIFFUSION TELEVISION FRANCAISE (ORTF)**
**Addr:** B.P. 7 St. Pierre et Miquelon. **Te:** 051. **Cable:** ORTF — **L.P:** Dir: F. Lereec. Chief Technician: Chevalier.
**STATION:** 1375kHz 218.2m 4kW.
**HOME SCE. in French:** W 10.00-12.00, 15.00-16.30 (Thurs 17.30, Sat 18.00), 21.30-01.00; Sun 12.30-16.00, 18.00-01.00. **N:** 10.30, 15.30, 20.00 (Sun), 23.00. **Wrp:** 10.30, 11.00, 15.45, 23.00, 23.15 — **ANN:** "Ici Saint-Pierre et Miquelon Office de Radiodiffusion-Télévision Française" — **INT-SIG:** as France Inter (ORTF) — **V.** by letter. Recordings accepted.

## UNITED STATES OF AMERICA

**L.T:** See World Time Table — **Pr.L:** English.

**VOICE OF AMERICA (Gov.)**
**"THE VOICE OF AMERICA"** is operated by the Broadcasting Service of the United States Information Agency. The V.O.A. seeks to promote an increased understanding of the United States among the peoples of the world and to strengthen cooperative international relations.
**ADDR:** Voice of America, U.S. Information Agency, Washington, D.C. 20547 USA.
**L.P:** Dir. U.S. Information Agency: Leonard H. Marks. Dir. Broadc. Sce: John Chancellor. Prgr. Mgr: Francis S. Ronalds. Engineering Mgr: Edgar T. Martin. Dir. TV (Motion Picture) Sce: George Stevens Jr.
**STATIONS:** Call-letters not used.
**Delano** (50/100/200kW): Delano, California — **Dixon** (50/100/200kW): Dixon, California — **Bethany** (110kW): Bethany, Ohio **Greenville** (50/250/500kW): Greenville, No. Carolina — **Marathon,** Florida (50kW — 1180kc).
**Geographical Coordinates:** Delano 119.17W/35.45 N; Dixon 121.45W/38.23 N; Bethany 84.21W/39.21 N; Greenville 77.22W/35.35 N.

**East Coast Stations:** Unmarked: Greenville, †Bethany.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 5995 | 50.04 | 9670 | 31.02 | †15215 | 19.72 | 17805 | 16.84 |
| 6020 | 49.83 | 9695 | 30.94 | 15230 | 19.70 | 17830 | 16.83 |
| †6030 | 49.75 | 9725 | 30.85 | 15235 | 19.69 | 17875 | 16.79 |
| 6045 | 49.63 | 9770 | 30.71 | 15245 | 19.68 | 17890 | 16.77 |
| 6055 | 49.55 | 11830 | 25.36 | 15250 | 19.67 | †21485 | 13.96 |
| 6065 | 49.46 | 11835 | 25.35 | 15280 | 19.63 | 21510 | 13.94 |
| 6125 | 48.98 | 11845 | 25.33 | †15330 | 19.57 | †21515 | 13.94 |
| 6190 | 48.47 | 11870 | 25.27 | 15395 | 19.49 | 21540 | 13.93 |
| 9525 | 31.50 | 11880 | 25.25 | 15400 | 19.48 | †21590 | 13.90 |
| 9530 | 31.48 | 11890 | 25.23 | 15410 | 19.47 | 21600 | 13.89 |
| 9560 | 31.38 | †11890 | 25.23 | 15415 | 19.46 | 21640 | 13.86 |
| †9565 | 31.36 | 11915 | 25.18 | 15430 | 19.44 | †21650 | 13.86 |
| 9590 | 31.28 | 11945 | 25.12 | 17710 | 16.94 | 21740 | 13.80 |
| 9635 | 31.14 | 11955 | 25.09 | 17750 | 16.90 | 26040 | 11.52 |
| 9640 | 31.12 | †15160 | 19.79 | 17780 | 16.87 | 25950 | 11.50 |
| 9650 | 31.09 | 15205 | 19.73 | 17800 | 16.85 | | |

**West Coast Stations:** Unmarked: Delano, † Dixon.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| †6085 | 49.30 | 9700 | 30.93 | 15410 | 19.47 | 17885 | 16.78 |
| †6145 | 48.82 | †9740 | 30.80 | 17710 | 16.93 | †21460 | 13.98 |
| †6185 | 48.50 | 11770 | 25.49 | 17765 | 16.89 | 21500 | 13.95 |
| †9545 | 31.43 | 11805 | 25.41 | †17800 | 16.89 | †21610 | 13.88 |
| 9565 | 31.36 | 11875 | 25.26 | 17820 | 16.84 | 21630 | 13.87 |
| †9585 | 31.30 | †11965 | 25.07 | †17850 | 16.81 | | |
| 9665 | 31.04 | †15395 | 19.49 | 17850 | 16.81 | | |

**RELAY STATIONS:**
For freq's of the relay stations, refer to the individual countries: Germany, Greece, Great Britain, Liberia, Morocco, Ceylon, Philippines, Ryukyu Islands.
**ANNOUNCEMENT:** "This is the Voice of America" is ann. in the language of the program in which it is given. The Station identification is ann. in English. USA: "You are listening to the Voice of America from Greenville, North Carolina... Bethany, Ohio...Delano, California...Dixon, California".
**INTERVAL SIGNAL:**
Variations on the theme of "Columbia, the Gem of the Ocean". This musical symbol is played at the beginning of a transmission,

during station breaks, and at the conclusion of a transmission.
**VERIFICATION** by QSL-card. No return postage required.

### To Europe

| ALBANIAN | kHz |
|---|---|
| 19.30-20.00 | 791, 6150, 7270, 11830, 15195, 15395 |
| 21.30-22.00 | 6150, 7270, 11830, 15195, 15395 |
| **ARMENIAN** | |
| 14.00-15.00 | 11710, 15315, 17800 |
| **BULGARIAN** | |
| 04.00-04.15 | 6055, 6080, 7220, 9615, 9770 |
| 05.15-05.30 | 6055, 6080, 7220, 7160, 9615, 9770 |
| 20.30-21.30 | 791, 6150, 7270, 11830, 15195, 15395 |
| **CZECH-SLOVAK** | |
| 04.30-04.45 | 1196, 6055, 6080, 7220, 7285, 9615, 9770 |
| 05.45-06.00 | 6055, 6080, 7220, 9615, 9770 |
| 18.00-19.00 | 1196, 5995, 9530, 11790, 15235, 15270 |
| 21.30-22.00 | 5995, 9530, 11790, 15235, 15270 |
| **ESTONIAN** | |
| 15.00-15.30 | 5995, 9660, 11790, 15235, 15270 |
| 16.30-17.00 | 5995, 9660, 11790, 15235, 15270 |
| **GEORGIAN** | |
| 13.00-14.00 | 11710, 15315, 17800 |
| **GREEK** | |
| 17.00-17.30 | 791, 6150, 15195, 17815, 21690 |
| **HUNGARIAN** | |
| 04.15-04.30 | 1196, 6055, 6080, 7220, 9615, 9770 |
| 05.30-05.45 | 6055, 6080, 7220, 9615, 9770 |
| 20.00-21.30 | 1196, 5995, 9530, 11790, 11960, 15235, 15270 |
| **LATVIAN** | |
| 16.00-16.30 | 5995, 9660, 11790, 15235, 15270 |
| 17.30-18.00 | 5995, 9660, 11790, 15235, 15270 |
| **LITHUANIAN** | |
| 15.30-16.00 | 5995, 9660, 11790, 15235, 15270 |
| 17.00-17.30 | 5995, 9660, 11790, 15235, 15270 |
| **POLISH** | |
| 04.45-05.00 | 1196, 6055, 6030, 7220, 9615, 9770 |
| 06.00-06.15 | 6055, 6080, 7160, 9615, 9770 |
| 19.00-20.00 | 1196, 5995, 9530, 11790, 15235, 15270 |
| 22.00-22.30 | 5995, 9530, 11790, 11960, 15235, 15270 |
| **RUMANIAN** | |
| 17.30-18.30 | 791, 6150, 7270, 15195, 15395 |
| 20.00-20.30 | 6150, 7270, 11830, 15195, 15395 |
| **RUSSIAN** | |
| 03.00-05.00 | 1196 (to 04.00) 6020, 6040, 6150, 7170, 9560, 9715 |
| 16.00-22.00 | 6040, 7170, 9540, 11710, 15280, 15315, 17800 |
| **SERBO-CROAT** | |
| 18.30-19.30 | 791, 6150, 7270, 15195, 15395 |
| **SLOVENE** | |
| 05.00-05.15 | 6055, 6080, 7160, 7220, 9615, 9770 |
| 06.15-06.30 | 6055, 6080, 7160, 7220, 9615, 9770 |
| **UKRAINIAN** | |
| 15.00-16.00 | 11710, 15315, 17800 |

### To Africa

| FRENCH | kHz |
|---|---|
| 06.00-07.30 (Mon-Fri) | 6095, 6125, 6180, 7175, 7250, 9660, 9670, 11915 |
| 18.30-21.00 | 6035, 7135, 17830, 17890, 21485, 21670 |
| **SWAHILI** | |
| 17.00-18.00 | 15325, 17740, 17890, 21485, 21670 |

### To Near- and Middle East

| ARABIC | kHz |
|---|---|
| 03.30-06.00 | 1259, 6015, 7130 |
| 16.30-21.30 | 1259, 6015, 7295 |
| **TURKISH** | |
| 16.30-17.00 | 11760, 15195, 17815, 21690 |

### To South Asia

| BENGALI | kHz |
|---|---|
| 01.30-02.00* | 15175, 15185, 17830, 21570 |
| 02.00-02.30** | 15175, 15185, 17830, 21570 |
| *to India; **to Pakistan | |
| **HINDI** | |
| 14.30-15.00 | 11760, 11835, 15160, 15195, 17815, 21660, 21690 |
| 15.30-16.00 | 11760, 11835, 15195, 17815, 21660, 21690 |
| **TAMIL** | |
| 14.00-14.30 | 11760, 11835, 15160, 15195, 17815, 21660, 21690 |

**URDU**
15.00-15.30 11760, 11835, 15160, 15195, 17815, 21660, 21690
16.00-16.30 11760, 11835, 15195, 15285, 17815, 21660, 21690

## To Far East

| BURMESE | kHz |
|---|---|
| 00.30-01.30 | 15175, 17830, 21570 |
| 06.00-07.00 | 15155, 17830, 21570 |
| 11.30-14.30 | 15250, 17765 |
| **CAMBODIAN** | |
| 23.30-00.00 | 11730, 17830 |
| 05.30-06.00 | 11875, 15155, 17830 |
| 13.30-14.00 | 11930, 15210 |
| **CHINESE** | |
| 22.00-22.30 | 3935, 6075, 7275, 11730, 17710, 17850, 21630 |
| 23.00-23.30 | 11715, 11730, 15210 |
| 00.30-01.00 | 11805, 15290, 15395, 17750, 17850, 21630 |
| 10.00-16.00 | 1178, 6010, 6145, 7235, 9545, 9655, 11965, 15375, 15410, 17850 |
| **INDONESIAN** | |
| 22.00-00.00 | 9530, 11805, 15175 |
| 07.00-08.00 | 15155, 17830, 21630 |
| 11.30-12.30 | 11930, 15210 |
| 14.30-15.30 | 1140, 11930, 15210 |
| **JAPANESE** | |
| 21.30-22.00 | 7255, 17820, 21460 |
| 23.30-24.00 | 11715, 17785 |
| **KOREAN** | |
| 21.30-22.00 | 3935, 6075, 17850, 21630 |
| 22.30-23.00 | 3935 |
| 13.00-13.30 | 1178, 6010, 6145, 9545 |
| **LAOTIAN** | |
| 00.00-00.30 | 11805, 15175, 17830 |
| 12.30-13.00 | 11930, 15210 |
| **RUSSIAN** | |
| 09.00-10.00 | 11965, 15210, 15410, 17825 |
| **THAI** | |
| 23.30-24.00 | 15210, 17735 |
| 11.00-11.30 | 1140, 15250, 17765 |
| **VIETNAMESE** | |
| 22.30-23.00 | 7275, 9560, 11730 |
| 04.30-05.00 | 11875, 15155, 17830 |
| 11.00-16.30 | 760, 1140, 9530, 11775, 15175 |

## To Latin America

| PORTUGUESE | kHz |
|---|---|
| 21.30-22.00 (Mon-Fri) | 11740, 11955, 15250, 17805 |
| 22.00-01.00 | 11740, 11955, 15250, 17805 |
| **SPANISH** | |
| 12.00-14.00 | 1180, 9525, 11890, 15230, 17830, 21590 |
| 23.00-23.30 (Mon-Fri) | 1180, 9670, 15400 |
| 23.30-04.00 | 1180, 6190, 9670, 9725, 11830, 15400 |

## PROGRAMS IN ENGLISH

| To Europe | kHz |
|---|---|
| 03.00-07.30 | 1196 (from 05.00), 3980, 5965, 5995, 7200, 7270, 9540, 9635, 9740, 11790 |
| 14.00-16.30 | 3980, 9760, 15290, 17855, 21600, 26040 |
| 16.30-22.15 | 1196 (to 18.00), 3980, 5965, 7205, 15205, 15290, 17780 |
| 22.15-23.30 | 1196, 3980, 5965, 7205, 15290 |
| **To East Africa** | |
| 03.00-06.00 | 7195, 7280, 9750 |
| 14.00-19.00 | 15445, 17875, 21670 (to 17.00) |
| 19.00-22.15 | 15445, 17875 |
| **To South Africa** | |
| 03.00-05.00 | 9750 |
| 14.00-18.30 | 15360 |
| **To West & Central Africa** | |
| 04.00-06.30 | 7195, 7280, 9635, 9750, 11835 |
| 06.00-07.30 | 6035, 7280, 9635, 11835 |
| 14.00-16.00 | 6035, 11960, 15445, 17710, 21485 |
| 16.00-18.00 | 6035, 11960, 15445, 17710, 21485 |
| 18.00-19.00 | 11960, 17710, 21485 |
| 19.00-22.15 | 3990, 7195, 15445, 17710 |
| 22.15-23.45 | 3990, 6035, 7195, 15445 |
| **To Middle East** | |
| 03.00-04.00 | 5960, 7200, 9540, 9740 |
| 04.00-05.00 | 5960, 7200, 9540, 9740 |
| 05.00-07.30 | 1259, 5965, 7200, 9540, 9740, 15295 |
| 14.00-16.00 | 1259, 7205, 9760, 15290, 17855, 21455 |
| 16.00-23.30 | 1259 (from 21.30), 5960, 7205, 9760, 17855 (to 18.00) |
| **To South Asia** | |
| 01.00-03.30 | 7275, 11835 |
| 11.30-12.00 | 7105, 11835, 15285 |
| 12.00-14.00 | 7105, 11835, 15285, 15290, 17855, 21455 |
| 14.00-16.30 | 15285, 15290, 17855, 21455 |
| 16.30-18.00 | 7105, 11835, 15285, 17855 |
| **To East Asia** | |
| 22.00-02.00 | 7135, 7255, 11790, 11920, 15165, 17785, 17850, 21610 |
| 09.00-16.30 | 7165, 9555, 9565, 11715, 15345 |
| **To South East Asia & Indonesia** | |
| 22.00-02.00 | 9545, 15165, 15210, 17735 |
| 09.00-14.00 | 9565, 11930, 15155, 15345, 17725, 17765 |
| 14.00-16.30 | 9565, 9615, 15345, 17725 |
| **To Oceania** | |
| 22.00-00.00 | 21610 |
| 09.00-14.00 | 9740 |
| **To Latin America** | |
| 23.00-03.30 | 9565, 9650, 11955 (from 01.30), 11885, 15205 |

**NEWS in English:** Every h on the h exc. 08.00 — **NEWS in Special English:** To Far East: 14.00; To So. Asia: 14.00; To Europe/Middle East: 14.00, 17.00, 20.00, 22.00; To Africa: 14.00, 18.00, 20.00, 22.00; To Latin America: 23.00 — **"Cloud Cover Report"** (as received from weather satellites) is included in News prgr's at 01.00, 12.00, 13.00, 15.00, 16.00, 18.00, 19.00, 21.00, 22.00 and 24.00.

### ARMED FORCES RADIO AND TELEVISION SERVICE

**ADDR:** Deputy for Armed Forces Radio and Television, Office of Information for the Armed Forces, ASD(M), Washington, D.C. 20305 — **L.P:** Dir: John C. Broger; Deputy for Armed Forces Radio and Television: Col. Robert Cranston, U.S.A. This office exercises over-all policy control of the Armed Forces Radio and Television Service (AFRTS). The mission of AFRTS is to keep U.S. service-men informed on current events. **All broadcasts are in English.** News, Sports and other timely information is beamed overseas by shortwave tr's on the U.S. Atlantic and Pacific Coasts and a relay tr. in the Philippines. These sw-tr's serve the overseas stations and ships at sea which relay them locally. Programs other than news and locally produced programs are derived directly from the U.S. Commercial radio and TV networks. These programs are transcribed or kinescoped and shipped to the overseas stations by the Armed Forces Radio and Television Service, Los Angeles, California. **L.P:** Officer-in-Charge: Col. Robert R. Eby, USAF.

**WORLDWIDE SERVICE** (from Washington, D.C.)
**ADDR:** Armed Forces News Bureau, 1117 North 19th Street, Arlington, Virginia 22209. **L.P:** Chief: K. H. Logie.

| Call | kHz | kW | Area (Beam) | h. of tr. |
|---|---|---|---|---|
| BY 3 | 15330 | 110 | Caribbean (168°) | 12.00-23.00 |
| BY 4 | 21650 | 110 | No. Africa/Europe (57°) | 13.30-19.45 |
| BY 4 | 15330 | 110 | No. Africa/Europe (57°) | 20.00-23.00 |
| GA 5 | 15430 | 250 | Europe (45°) | 13.30-20.00 |
| GA 5 | 11920 | 250 | Europe (45°) | 20.00-23.00 |
| GA 9 | 15430 | 50 | No. Africa/Europe (69°) | 13.30-23.00 |
| DL 2 | 21500 | 50 | Far East (306°) | 21.30-02.00 |
| DL 3 | 17765 | 50 | Far East (306°) | 21.30-03.30 |
| DL 3 | 9700 | 50 | Far East (306°) | 04.00-16.30 |
| DL 2 | 15410 | 50 | Far East (306°) | 02.30-05.00 |
| DL 2 | 11805 | 50 | Caribbean (115°) | 05.30-07.45 |
| DL 2 | 9760 | 50 | Caribbean (115°) | 08.00-12.00 |
| DL 4 | 15295 | 100 | Caribbean (115°) | 22.30-03.00 |
| DL 5 | 11805 | 100 | Caribbean (115°) | 03.00-05.30 |
| DL 4 | 11805 | 100 | Far East (296°) | 03.30-05.30 |
| DL 4 | 5965 | 100 | Far East (306°) | 06.00-16.30 |
| Phil | 15250 | 10 | S.E. Asia (248°) | 07.00-10.30 |

**N:** On the h and half h — **Program Notes:** Mon-Fri 06.50, 14.50, 19.15, 22.50; Sat 06.50, 14.50, 22.50.
**ANN:** "This is the Armed Forces News Bureau" — **V.** by QSL-card — **PUB:** Program Schedule published quarterly; each new schedule available upon written request, no permanent mailing list maintained.

### A.F.R.T.S.s OUTLETS BROADCASTING

**Abbreviations:** A=Army, AFKN=American Forces Korea Network, FEN=Far East Network, N=Navy, AF=Air Force, Fo=Fort, Cp=Cape.
The great majority of the stations operate from 06.00-24.00 L.T.

| Location | Sce | kHz | W | Location | Sce | kHz | W |
|---|---|---|---|---|---|---|---|
| **ALASKAN AREA** | | | | | | | |
| *Adak | AF | 890 | 250 | Cp Sarichef | AF | 1400 | 10 |
| *Anchorage | AF | 860 | 50 | Chiniak | AF | 1490 | 10 |
| Bethel | AF | 1490 | 50 | Cold Bay | AF | 1490 | 10 |
| Campion | AF | 570 | 250 | Driftwood Bay | AF | 1450 | 10 |
| Cp Lisburne | AF | 1400 | 10 | *Fairbanks | AF | 1490 | 50 |
| Cp Newenham | AF | 1450 | 10 | Fire Island | AF | 1240 | 10 |
| Cp Romanzof | AF | 1240 | 10 | *Fo Greely | AF | 980 | 50 |

# THE VOICE OF AMERICA

*Around the World*
*Around the Clock*
*U.S. Information Agency*
*Washington, D.C.*

# U.S.A.

| Location | Sce | kHz | W |
|---|---|---|---|
| Fo Richardson | AF | 1360 | 10 |
| Fo Wainwright | AF | 1360 | 50 |
| Fo Yukon | AF | 1340 | 10 |
| Indian Mountain I | AF | 1240 | 10 |
| Indian Mountain II | AF | 1590 | 10 |
| King Salmon | AF | 790 | 250 |
| *Kodiak | AF | 960 | 250 |
| Kotzebue | AF | 1360 | 10 |
| Murphy Dome | AF | 1570 | 10 |
| Nikolski | AF | 1340 | 10 |
| Nome | AF | 590 | 400 |
| Northeast Cape | AF | 1450 | 10 |
| Port Heiden | AF | 1340 | 10 |
| Port Moller | AF | 1230 | 10 |
| Shemya | AF | 1240 | 100 |
| Site Love | AF | 1240 | 10 |
| Sparrevohn | AF | 1490 | 10 |
| Tok Junction | AF | 1450 | 10 |
| Tin City | AF | 1490 | 10 |
| Unalakleet | AF | 1400 | 10 |
| Wildwood | AF | 1530 | 10 |
| **CANADIAN AREA** | | | |
| **Labrador** | | | |
| *Hopedale | AF | 975 | 25 |
| **Newfoundland** | | | |
| *Argentia | N | 1480 | 50 |
| **CARIBBEAN AREA** | | | |
| **Canal Zone** | | | |
| *Fo Clayton | A | 790 | 5kW |
| Fo Davis | A | 1420 | 1kW |
| **Cuba** | | | |
| *Guantanamo | N | 1340 | 1kW |
| **Puerto Rico** | | | |
| *Ramey | N | 780 | 50 |
| Fo Allen | N | 780 | 50 |
| Roosevelt Roads | N | 1200 | 50 |
| *San Juan | N | 1470 | 50 |
| **EUROPEAN AREA** | | | |
| **Belgium** | | **MHz** | **W** |
| Brussels | A | 100.8 | 75 |
| Chievres | A | 101.5 | 75 |
| **Greece** | | **kHz** | **W** |
| *Iraklion | AF | 1570 | 250 |
| *Athens | AF | 1594 | 1kW |
| **Italy** | | **MHz** | **W** |
| *San Vito | N | 106.0 | 50 |
| *Sigonella | AF | 106.0 | 50 |
| For Germany and Spain see resp. countries. | | | |
| **NORTH AFRICAN AREA** | | | |
| **Morocco** | | | |
| *Kenitra | AF | 1484 | 350 |
| **Libya** | | | |
| *Tripoli | AF | 1594 | 1kW |
| **FAR EAST AREA** | | | |
| Iwo Jima | AF | 1500 | 100 |
| **Japan:** see Japan; | | | |
| **Korea:** see Korea. | | | |

| Location | Sce | kHz | W |
|---|---|---|---|
| **Philippine Islands** | | | |
| Baguio | AF | 1300 | 250 |
| *Clark AB | AF | 1520 | 1kW |
| *Mactan Island | AF | 1300 | 10 |
| *Sangley Point | AF | 1220 | 250 |
| *San Miguel | AF | 1520 | 25 |
| *Subic Bay | AF | 1300 | 250 |
| **Ryukyu Islands** | | | |
| *Okinawa | AF | 650 | 10kW |
| **Taiwan:** see Taiwan. | | | |
| **MIDDLE EAST AREA** | | | |
| **Eritrea** | | | |
| *Asmara | A | 1480 | 250 |
| **Iran** | | | |
| *Teheran | A | 630 | 250 |
| **Pakistan** | | | |
| *Peshawar | AF | 870 | 25 |
| **Turkey** | | | |
| *Diyarbakir | AF | 1570 | 50 |
| *Karamursel | AF | 1590 | 50 |
| *Trabzon | AF | 1590 | 25 |
| **ATLANTIC AREA** | | | |
| *Ascension Island | AF | 1600 | 1kW |
| *Terceira | AF | 1500 | 250 |
| **Greenland** | | | |
| *Sondrestrom | AF | 1420 | 250 |
| *Thule | AF | 1425 | 1kW |
| **Iceland** | | | |
| Keflavik | N | 1484 | 250 |
| **PACIFIC AREA** | | | |
| *Eniwetok | AF | 1385 | 250 |
| *Anderson | N | 1090 | 200 |
| *Johnston Island | AF | 1250 | 100 |
| *Kwajalein | A | 1220 | 1kW |
| *Midway Island | N | 900 | 250 |
| *Wake Island | AF | 1490 | 250 |
| **SOUTHEAST ASIA** | | | |
| **Thailand** | | | |
| *U-Tapao | AF | 1520 | 100 |
| *Korat | AF | 1360 | 100 |
| *Nakhon-Phanom | AF | 770 | 100 |
| *Takhli | AF | 1300 | 100 |
| *Ubon | AF | 770 | 100 |
| *Udorn | AF | 1410 | 100 |
| **Vietnam** | | | |
| Ban Me Thout | A | 1360 | 50 |
| Can Tho | A | 1360 | 50 |
| Da Nang | A | 1360 | 50 |
| Duc My | A | 1360 | 50 |
| Gia Nghia | A | 1360 | 50 |
| Kontum | A | 1360 | 50 |
| Nha Trang | A | 1360 | 50 |
| Pleiku | A | 1360 | 50 |
| Quang-Ngai | A | 1360 | 50 |
| Qui Nhon | A | 1360 | 50 |
| *Saigon | A | 540 | 50 |
| Soc Trang | A | 1500 | 50 |

+10 FM st's not mentioned. *) studio st.

## PRIVATE INTERNATIONAL STATIONS

### INTERNATIONAL BROADCAST STATION KGEI

**ADDR:** P.O. Box 15, San Francisco, Calif. **Te:** 591-4820. **Cable:** Febcomsfran — **L.P:** St. Mgr: J. R. Bowman. Dir. Tec: J. L. Brooks. Dr. Prgr: S. P. Jeter.

**STATIONS** 50kW (Belmont: G.C. 122.14W/37.33N): 9715kHz 30.88m — 11710kHz 30.88m — 15240kHz 19.69m — 15245kHz 19.68m.

**LATIN AMERICA SCE:** W 22.15-05.00, Sun 22.15-03.00. On 15240kHz until 01.30, on 15245kHz from 01.30.

**N. in English-Spanish:** Mon/Wed/Fri 23.50-00.05, Tues/Thurs 23.30-00.05 — **English** Mon-Fri 22.30-23.00, 04.47-04.53; Sat 22.30-23.00, 23.30-24.00, 03.45-04.30; Sun 22.30-23.00, 23.30-24.00, 03.30-04.00 — **Portuguese:** Mon/Wed/Fri 22.30-23.45 — **Russian:** D 23.00-23.30 — **N. in Spanish:** W 00.00, 01.00, 02.00 (exc. Sat), 03.00, 03.30. **L.L:** (English by Radio): W 00.05-00.30, 03.05-03.30.

**ANN:** E (Sign-on): "This is the Voice of Friendship, International Broadc. st. KGEI, San Francisco, Calif, the United States of America, owned and operated by the Far East Broadc. Company on a freq. of . . . KGEI is dedicated to the purpose of promoting good will, better understanding and friendship amongst the peoples of the Americas" — **INT-SIG:** Sign off with anthem "The Lord's Prayer" followed by the Nat. Anthem — **V.** by QSL-card (sent on request). Recordings and tapes accepted — **FI:** By donations, non-profit, non-comm. org's. KGEI (the Voice of Friendship) is owned and operated by Far Eact Broadc. Co. Inc, Whittier, California.

### RADIO NEW YORK WORLDWIDE (WNYW) (Comm.)

**ADDR:** 485 Madison Avenue, New York, N.Y. 10022. **Te:** (212) Plaza 2-3322. **Cable:** "Radioworld" — **L.P:** Pres: Arch Madsen. Exec. Vice Pres: Arthur Mortensen. Vice Pres: & Gen. Mgr: Miller R. Gardner, Vice Pres. Adm: Richard Grefe. Secr: Robert Barker. Treasurer: Blaine Whipple. Dir. Programming: Tito Arriagada. Prgr. Coordination: Bert Kleinman. Dir. Tr.. Eng: Lou MacDonald. Dir, Studio Eng: Joe Garafalo. Dir. N: Morgan Skinner. Dir. Traf: Barbara De Bella. Dir. Listeners Club: Irwin Belofsky.

**STATIONS** (G.C: 70.44W/42.13N): 50/100kW.

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 9615 | 31.20 | 11970 | 25.06 | 17730 | 16.92 | 21465 | 13.98 |
| 11730 | 25.58 | 15215 | 19.71 | 17755 | 16.90 | 21530 | 13.93 |
| 11740 | 25.55 | 15355 | 19.53 | 17760 | 16.89 | | |
| 11805 | 25.41 | 15370 | 19.52 | 17835 | 16.82 | | |
| 11855 | 25.31 | 15440 | 19.43 | 17845 | 16.81 | | |

**ENGLISH SERVICE:** 16.00-22.00

**To Europe/UK:** 16.00-18.30 on 17845/21530kHz, 18.30-19.00 on 17845kHz, 19.00-19.45 on 15440/17845kHz, 19.45-20.00 on 15440kHz, 20.00-22.00 on 11805/15440kHz.

**To Africa:** 16.00-22.00 on 21530kHz.

**To Caribbean/Latin America:** 16.00-17.00 on 17730/21465kHz, 17.00-19.00 on 17760/21465kHz, 19.00-22.00 on 17760/2153kHz. **N:** Mon-Fri 17.00, 19.00, 21.00, 21.45; Sat 18.00, 20.00; Sun 18.00 — **DXing Worldwide:** Sat 17.35, Sun 19.35 — **Worldwide Hit Parade:** Sat 16.00 — **The Computer Age:** Thurs 16.30, 18.30, 20.30, Sat 19.00 — **Quincy Howe Commentary:** Mon-Fri 17.15, 19.15, 21.15 — **Stock Market Reports:** Mon-Fri 17.25, 19.25, 21.25, 21.45 — **Billy Graham Hour of Decision:** Thurs, Sun 20.00 — **Voices in the Headlines:** Mon 16.00, 18.00, 20.00 **Climate of Freedom:** Mon 16.30, 18.30, 20.30 — **Mormon Tabernacle Choir:** Sun 21.35 — **Sports N:** Mon-Fri 17.30, 19.30, 21.30; Sat 16.30, 17.30, 18.30, 19.30, 20.30; Sun 18.30, 19.30, 20.30 — **World of Space and Science:** Mon 16.40, 18.40, 20.40 **At the U.N: Wed** 16.45, 18.45, 20.45 — **Viet-Nam Update:** Fri 16.00, 18.00, 20.00 — **Perspective:** Sun 18.35 — **Face the Nation:** Sun 20.35, Thurs 16.00, 18.00, 20.00 — **Meet the Press:** Tues 16.00, 18.00, 20.00 — **Inspirational Message:** Mon-Fri 16.25, 18.25, 20.25.

**SPANISH SERVICE** (to Latin America): 12.00-16.00, 22.05-04.00, 12.00-16.00 on 15440/17730/17845/21465kHz, 22.05-23.45 on 15370/17755/17835kHz, 23.45-00.00 on 15370/17835kHz, 00.00-01.15 on 11855/15355/15370kHz, 01.15-01.45 on 9615/11855/15370/15355kHz, 01.45-02.00 on 9615/11855/15355kHz, 02.00-04.00 on 9615/11730/11855/15355kHz.

**N:** 12.00, 13.00, 14.00, 15.00, 22.05, 23.00, 00.00, 01.00, 02.00, 03.00 — **El Surco del Aire:** Mon 22.30, Tues 00.30, 02.30, 12.30, 14.30 — **Editorial:** Mon-Fri 00.05, 02.05, 12.05, 14.05, 22.10 — **Clima de Libertad:** Tues 22.20, Wed 00.20, 02.20, 12.20, 14.20 — **Arte desde Nueva York:** Tues 22.30, Wed 00.30, 02.30, 12.30, 14.30 — **Panorama Economics:** Wed 22.30, Thurs 00.30, 02.30, 12.30, 14.30 — **NASA:** Wed 23.40, Thurs 01.40, 03.40, 13.40, 15.40 — **Coro del Tabernáculo:** Sun 12.30, 14.30, 22.30, Mon 00.30, 02.30.

**ANN:** E: "This is WNYW R. New York Worldwide". Sp: "Esta es R. Nueva York, WNYW" — **V.** by QSL-card; recorded reports accepted — **PUB:** Illustrated Prgr. Guide offered free. Write to R. New York Worldwide, N.Y. 10022. Advance prgr. and freq. information available to members of the R. New York Worldwide Listeners Club. Yearly dues: $ 1.00, or equivalent other currencies. Monthly bulletin and club services available to all members. For further info. write to the Club, R. New York Worldwide, 485 Madison Ave, New York City 10022, USA.

### WORLD INTER-NATIONAL BROADCASTERS (WINB) Inc.

**ADDR:** P.O. Box 88, Red Lion, Penna. 17356.

**STATIONS** (G.C: 76.34W/39.54N): 50kW 11795kHz 25.43m — 17720kHz 16.93m.

**D.Prgr: in English & Russian** (to So. Europe, Near East, Mediterranean & No. Africa): 17.00-20.00 on 17720kHz, 20.00-22.00 on 11795kHz. **N. in English:** 17.01 (Mon-Fri), 20.03 (exc.

### MEDIUM WAVE DX'ERS

**National Radio Club** — largest and oldest MW only DX club publishes **DX News** 34 times yearly. Latest North American call, frequency, and schedule information — latest information on MW stations around the world — original feature and technical articles for MW DX'ers — MW equipment plans — contests — sample bulletin $ 0.25 or 2 IRC. P.O. Box 99, Cambridge, Mass, USA.

**WNYW is special news . . .** WNYW is an international station broadcasting from New York to Europe, Africa and the Americas. News is easy to obtain almost anywhere . . . if you speak the local language . . . if you don't, keeping up with the events of the world can be quite a chore. WNYW brings the latest news, commentary and stock market reports to an audience of millions, with the speed and accuracy which only radio can provide. Whether in Europe or Africa, Central or South America, the people who want to know, listen to WNYW . . . a service of Radio New York Worldwide. For a free program schedule, write to

**WNYW** 485 MADISON AVENUE
NEW YORK 10022 USA

Sun) — **Russian:** Sat 21.15-21.30 — **ANN:** "You are listening to World International Broadcasters, R. Station WUNB, broadc. from Red Lion, Pennsylvania, United States of America, on a freq. of . . . megacycles, with transmitting power of 50,000 watts" — V. by QSL-card & prgr. schedule. Reports wanted — WINB is a comm. st. which purpose is to promote the God of the Bible and country.

### NATIONAL ASSOCIATION OF BROADCASTERS

**ADDR:** 1771 N. Street N.W. Washington, D.C. 20036 — **Te:** Decateur 2-9300.

**Purpose:** The purpose of the Association is to foster and promote the development of the arts of aural and visual broadc. in all its forms to protect its members in every lawful and proper manner from injustices; to do all things necessary and proper to encourage customs and practices which will strengthen and maintain the broadc. industry to the end that it may best serve the public.

**L.P:** Chmn: J. F. Dille, Jr. Pres: V. T. Wasilewski. Vice-Pres. Radio: Sherril Taylor. Secr. Treasurer: E. E. Revercomb.

### COMMERCIAL STATIONS

Within the United States, the power of a radio station is often not as important to listeners as its programming. In most major cities, radio stations concentrate their programming to appeal to a given segment of the population and there's a type of programming available to appeal to almost every listening taste. There are stations that devote their entire broadcast day to news, others that devote their time to talk programs. In most cities, the station with the largest listening audience is that station which aims its programming to teenagers and young adults — primarily the people who buy single 45 rpm records. These are mostly rock 'n' roll records and the stations base their programming on Billboard Magazine's Hot 100 Chart, which lists the top-selling single 45 rpm records in the nation. Other radio stations program music to appeal to young adults and adults and their music is selected from Billboard's Top 40 Easy Listening Chart. These "good music" stations usually have the major part of the radio listening audience during morning and early afternoon listening hours before teenagers get out of school.

There are also radio stations that program nothing but country music, others that program Latin American music, others that feature rhythm and blues (aimed primarily at Negro listeners), many that program religious services and religious music, a few that feature mostly jazz, a few that program "background" — or soft relaxing — music, and a good many that program nothing but classical music.

In many cases, the signal of a radio station is directional, meaning that reception is better in the direction the station is aiming its signal. KWKH in Shreveport, La., for example, is heard throughout the South at night and clearly in states like New Mexico and Arizona, but doesn't do too well in a northward direction. (KWKH's daytime signal is non-directional). WLAC in Nashville, Tenn., on the other hand, has a signal that ranges far into northern states at night.

Most radio stations, because of the better broadcast conditions, cut down their power at night. In the case of KBAT in San Antonio, Tex., the 50kW station has a non directional signal in the daytime, but drops to 10kW and a directional signal at night.

Because many radio stations are limited to daytime operation only on AM, a large number of these stations round out a broadcast schedule through an affiliated FM radio station. For instance, 50kW WJJD in Chicago, Ill., has to leave the air at sunset, but local country music fans can turn afterwards to WJJD-FM, which operates 5 am. to 2 am. During the time the AM station is on the air, the two stations simulcast programming.

Following is a list of MW station operating with 10kW power or more. Not only is the address of the station provided, but its principal official, its operational hours (local time), and, where the station is known for one type of programming, the kind of programming available on the station.

**NB:** Clear channel st's are listed in fat types.

| | Call | kW | H of tr. |
|---|---|---|---|
| **540** | **kHz** | | |
| 1) | WGTO | 50 | Daytime |
| **640** | | | |
| 2) | KFI | 50 | 24 h |
| **650** | | | |
| 3) | KORL | 10 | 24 h |
| 4) | WSM | 50 | 24 h |
| **660** | | | |
| 5) | KFAR | 10 | 24 h |
| 6) | **WNBC** | **50** | **24 h** |
| 7) | WESC | 10 | Daytime |
| **670** | | | |
| 8) | **WMAQ** | **50** | **24 h** |
| **680** | | | |
| 9) | KBAT | 50 | 5-1 am |
| 10) | **KNBR** | **50** | **24 h** |
| 11) | WCBM | 10 | 24 h |
| 12) | WRKO | 50 | 24 h |
| 13) | WPTF | 50 | 5-1 am |
| 14) | WMPS | 10 | 24 h |
| 15) | WCAW | 10 | 6-1 am |
| **690** | | | |
| 16) | WVOK | 50 | Daytime |
| 17) | WAPE | 50 | 24 h |
| 18) | KKUA | 10 | 24 h |
| 19) | KGGF | 10 | 6 am-Mid |
| 20) | KHEY | 10 | 24 h |
| 21) | WCYB | 10 | Daytime |
| **700** | | | |
| 22) | **WLW** | **50** | **24 h** |

| | Call | kW | H of tr. |
|---|---|---|---|
| **710** | **kHz** | | |
| 23) | KMPC | 50 | 24 h |
| 24) | WGBS | 50 | 24 h |
| 25) | KEEL | 50 | 5 am-Mid |
| 26) | WHB | 10 | 24 h |
| 27) | WOR | 50 | 24 h |
| 28) | KGNC | 10 | 24 h |
| 29) | KIRO | 50 | 5:30-3 am |
| **720** | | | |
| 30) | **WGN** | **50** | **24 h** |
| **740** | | | |
| 31) | WBAM | 50 | Daytime |
| 32) | KBIG | 10 | Daytime |
| 33) | KCBS | 50 | 24 h |
| 34) | WPAQ | 10 | Daytime |
| 35) | KRMG | 50 | 24 h |
| 36) | KTRH | 50 | 19 h daily |
| **750** | | | |
| 37) | KFQD | 10 | 24 h |
| 38) | WSB | 50 | 24 h |
| 39) | KMMJ | 10 | Daytime |
| 40) | KXL | 50 | Daytime |
| **760** | | | |
| 41) | KGU | 10 | 24 h |
| 42) | WJR | 50 | 24 h |
| **770** | | | |
| 43) | KOB | 50 | 24 h |
| 44) | WABC | 50 | 24 h |
| **780** | | | |
| 45) | **WBBM** | **50** | **24 h** |
| **810** | | | |
| 46) | KGO | 50 | 5:30-1 am |
| 47) | KCMO | 50 | 24 h |
| 48) | WGY | 50 | 24 h |
| **820** | | | |
| † 49) | **WFAA** | **50** | **24 h** |
| † 50) | **WBAP** | **50** | **24 h** |
| **830** | | | |
| 51) | WCCO | 50 | 24 h |
| **840** | | | |
| 52) | WHAS | 50 | 5 am-Mid |
| **850** | | | |
| 53) | WYDE | 10 | 24 h |
| 54) | KOA | 50 | 5 am-Mid |
| 55) | **WHDH** | **50** | **24 h** |
| 56) | WIVK | 50 | Daytime |
| 57) | WKJX | 10 | 24 h |
| 58) | WJW | 10 | 24 h |
| 59) | WJAC | 10 | 5:30-1:30 am |
| **860** | | | |
| 60) | KTRB | 10 | 24 h |
| 61) | KOAM | 10 | 5 am-Mid |
| 62) | WOAY | 10 | Daytime |
| **870** | | | |
| 63) | WWL | 50 | 24 h |
| **880** | | | |
| 64) | WCBS | 50 | 24 h |
| **890** | | | |
| 65) | **WLS** | **50** | **24 h** |
| **900** | | | |
| 66) | KFRB | 10 | 24 h |
| **940** | | | |
| 67) | KFRE | 50 | 5:30 am-Mid |
| 68) | WINZ | 50 | 24 h |
| 69) | WMAZ | 50 | 5:30 am-Mid |
| 70) | KAHU | 10 | 24 h |
| 71) | KIOA | 10 | 21 h |
| 72) | WYLD | 10 | 24 h |
| 73) | WFNC | 10 | 5:30 am-Mid |
| **990** | | | |
| 74) | KTKT | 10 | 24 h |
| 75) | KWAM | 10 | Daytime |
| 76) | WHOO | 10 | 24 h |
| 77) | WIBG | 50 | 24 h |
| 78) | WLKW | 50 | Daytime |
| 79) | WNOX | 10 | 24 h |
| 80) | KNIN | 10 | 5:30-1 am |
| **1000** | | | |
| 81) | WCFL | 50 | 24 h |
| 82) | KOMO | 50 | 5 am-Mid |
| **1010** | | | |
| 83) | KLRA | 10 | 24 h |
| 84) | KSAY | 10 | Daytime |
| 85) | WINQ | 50 | Daytime |
| 86) | WGUN | 50 | Daytime |
| 87) | WMOX | 10 | 4 am-Mid |

| | Call | kW | H of tr. |
|---|---|---|---|
| 88) | KXEN | 50 | Daytime |
| 89) | KRVN | 25 | Daytime |
| 90) | WINS | 50 | 24 h |
| 91) | WFGW | 50 | Daytime |
| 92) | KAWA | 10 | Daytime |
| **1020** | | | |
| 93) | KGBS | 50 | Daytime |
| 94) | KSWS | 50 | 5:30 am-Mid |
| 95) | KDKA | 50 | 24 h |
| **1030** | | | |
| 96) | **WBZ** | **50** | **24 h** |
| 97) | KCTA | 50 | Daytime |
| **1040** | | | |
| 98) | **WHO** | **50** | **24 h** |
| **1050** | | | |
| 99) | WHN | 50 | 24 h |
| **1060** | | | |
| 100) | KPAY | 10 | 5:30 am-Mid |
| 101) | WNOE | 50 | 24 h |
| 102) | KYW | 50 | 24 h |
| **1070** | | | |
| 103) | WAPI | 50 | 19 h |
| 104) | WFLI | 10 | 24 h |
| 105) | KNX | 50 | 24 h |
| 106) | WIBC | 50 | 24 h |
| 107) | KFDI | 10 | 24 h |
| 108) | WDIA | 50 | 24 h |
| 109) | WKOW | 10 | 5 am-Mid |
| **1080** | | | |
| 110) | KSCO | 10 | 5:30 am-11:35 pm |
| 111) | WTIC | 50 | 24 h |
| 112) | KWJJ | 50 | 24 h |
| 113) | KRLD | 50 | 24 h |
| 114) | WBIE | 10 | |
| **1090** | | | |
| 115) | KAAY | 50 | 24 h |
| 116) | KING | 50 | 24 h |
| 117) | WBAL | 50 | 24 h |
| 118) | WQIK | 50 | Daytime |
| **1100** | | | |
| 119) | KFAX | 50 | Daytime |
| 120) | WHLI | 10 | Daytime |
| 121) | **WKYC** | **50** | **24 h** |
| **1110** | | | |
| 122) | KRLA | 50 | 24 h |
| 123) | WALT | 10 | Daytime |
| 124) | KFAB | 50 | 24 h |
| 125) | WBT | 50 | 24 h |
| **1120** | | | |
| 126) | KMOX | 50 | 24 h |
| **1130** | | | |
| 127) | KWKH | 50 | 5-1 am |
| 128) | WCAR | 50 | 24 h |
| 129) | WDGY | 50 | 24 h |
| 130) | WNEW | 50 | 24 h |
| 131) | WISN | 50 | 5:20-12:30 am |
| **1140** | | | |
| 132) | **KRAK** | **50** | **24 h** |
| 133) | WMIE | 10 | 24 h |
| 134) | KGEM | 10 | 24 h |
| 135) | KSOO | 10 | 5-1 am |
| 136) | WRVA | 50 | 24 h |
| **1160** | | | |
| 137) | WJJD | 50 | Daytime |
| 138) | KSL | 50 | 24 h |
| **1170** | | | |
| 139) | WCOV | 10 | 5 am-Mid |
| 140) | KCBQ | 50 | 24 h |
| 141) | KVOO | 50 | 24 h |
| 142) | WWVA | 50 | 24 h |
| 143) | KLOK | 10 | 24 h |
| **1180** | | | |
| 144) | WHAM | 50 | 24 h |
| **1190** | | | |
| 145) | KEX | 50 | 24 h |
| †† 146) | **KLIF** | 50 | 24 h |
| 147) | WANN | 10 | Daytime |
| 148) | WLIB | 10 | Daytime-1h after sunset |
| 149) | WOWO | 50 | 24 h |
| **1200** | | | |
| 150) | WOAI | 50 | 24 h |
| **1210** | | | |
| 151) | WCAU | 50 | 24 h |
| 152) | WKNX | 10 | Daytime |

| Call | kW | H of tr. |
|---|---|---|
| **1220 kHz** | | |
| 153) WGAR | 50 | 5:30-1 am |
| **1500** | | |
| 154) KXRX | 10 | 24 h |
| 155) WTOP | 50 | 24 h |
| 156) WJBK | 50 | 24 h |
| 157) KSTP | 50 | 5-1 am |
| 158) KPIR | 10 | Daytime |
| **1510** | | |
| 159) KALF | 10 | Daytime |
| 160) WNLC | 10 | 5:30-12:10 am |
| 161) WLAC | 50 | 24 h |
| 162) KGA | 50 | 6 am-Mid |
| 163) WAUK | 10 | Daytime |
| **1520** | | |
| 164) KACY | 10 | 18 h |
| 165) WKBW | 50 | 24 h |
| 166) WTHE | 10 | Daytime |
| 167) KOMA | 50 | 24 h |
| 168) KYMN | 50 | 24 h |
| 169) KXKW | 10 | 5:25 am-Mid |
| **1530** | | |
| 170) KFBK | 50 | 24 h |
| 171) WCKY | 50 | 24 h |
| 172) KGBT | 50 | 5 am-Mid |
| **1540** | | |
| 173) KBUY | 50 | 24 h |
| 174) KPOL | 50 | 24 h |
| 175) KXEL | 50 | 24 h |
| 176) WPTR | 50 | 24 h |
| 177) WRCP | 50 | Daytime |
| 178) KASA | 10 | Daytime |
| **1550** | | |
| 179) KKHI | 10 | 6 am-Mid |
| 180) KWIC | 10 | Daytime |
| 181) WRIZ | 10 | Daytime |
| 182) WMOO | 50 | Daytime |
| 183) KQXI | 10 | Daytime |
| 184) KOKA | 10 | 4 am-Mid |
| 185) WBSC | 10 | 6 am-11:15 pm |
| 186) WOKJ | 50 | 5 am-Mid |
| 187) WYOU | 10 | Daytime |
| 188) WYNX | 10 | Daytime |
| **1560** | | |
| 189) WWGM | 10 | Daytime |
| 190) KPMC | 10 | 24 h |
| 191) WQXR | 50 | 6-12:07 am |
| **1580** | | |
| 192) KDAY | 50 | Daytime |
| 193) KYND | 50 | Daytime |
| 194) WAXU | 10 | Daytime |
| 195) WPAC | 10 | Daytime |
| 196) WPGC | 10 | 6 am-Mid |
| 197) WVOG | 10 | 24 h |
| 198) WSRF | 10 | 24 h |

† WFAA and WBAP share same frequency; WFAA has the 820 frequency 7:30 am-12:30 pm and 5 pm-midnight; WBAP takes it midnight-7:30 am and 12:30-5 pm. Whichever station is not using the 820 50kW frequency, operates at 570 with 5kW and a directional signal.

†† Station has been sold, pending FCC approval, and management could change.
Mid Midnight.

1) Box 23, Cypress Gardens, Fla. 33880. Pres: Stanley E. Hubbard.
2) 141 N. Vermont Ave, Los Angeles, Calif. 90054. Pres. & Gen. Mgr: George A. Wagner. Prgr: Good music.
3) Box 8250, Waikiki Biltmore Hotel, Honolulu, Haw. 96815. Vice Pres. & Gen. Mgr: Milton L. Hibdon.
4) Box 100, Nashville, Tenn. 37202. Pres: John H. DeWitt Jr. Prgr: Good music (day), country music (night).
5) Lathrop Bldg, Fairbanks, Alsk. 99701. Pres: A. O. Bramstedt.
6) 30 Rockefeller Plaza, New York, N.Y. 10020. St. Mgr: George D. Skinner. Prgr: Good music.
7) Box 2447, One College St, Greenville, S.C. 29602. Pres: Robert A. Schmid.
8) Merchandise Mart, Chicago, Ill. 60654. Pres: Harry D. Jacobs Jr. Prgr: Good music.
9) Box 2216, 519 W. Ashby Pl, San Antonio, Tex. 78206. Vice Pres. & Gen. Mgr: Ed Montray. Prgr: Rock'n'roll.
10) Fox Plaza, Civic Center, San Francisco, Calif. 94102. Pres: Dale Moudy. Prgr: Good music.
11) 2610 N. Charles St, Baltimore, Md. 21218. Vice Pres. & Gen. Mgr: Donald Kelly. Prgr: Good Music.
12) 21, Brookline Ave, Boston, Mass. 02116. Vice Pres. & Gen. Mgr: Perry S. Ury. Prgr: Rock'n'roll.
13) Box 1511, WPTF Bldg, Raleigh, N.C. 27602. Gen. Mgr: Richard H. Mason.
14) Radio Center, 112 Union, Mephis, Tenn. 38101. Pres: Harold Krelstein. Prgr: Rock'n'roll.
15) Box 4318, Charleston, W. Va. 25304. Pres: E. M. Johnson.
16) Box 2468, Birmingham-Bessemer Super Highway, Birmingham, Ala. 35201. Pres: Iralee W. Benns.
17) 1404 Prudential Bldg, Jacksonville, Fla. 32207. Pres: William J. Brennan. Prgr: Rock'n'roll.
18) 830 Ala Moana Blvd, Honolulu, Haw. 96813. Vice Pres. & Gen. Mgr: H. G. Fearnhead.
19) 8th & Elm Sts, Coffeyville, Kan. 67337. Mgr: Robert L. Pratt.
20) 2419 N. Piedrias, El Paso, Tex. 79930. Gen. Mgr: Nancy W. Sleighel. Prgr: Country music.
21) Box 1009, Reynolds Arcade Bldg, Bristol, Va. 24201. Pres. & Gen. Mgr: Robert H. Smith.
22) 140 W. 9th St, Cincinnati, Ohio 45202. Vice Pres. & Gen. Mgr: Charles K. Murdoch Jr. Prgr: Good music.
23) 5939 Sunset Blvd, Los Angeles, Calif. 90028. Vice Pres. & Gen. Mgr: Lloyd C. Sigmon. Prgr: Good music.
24) 710 Bldg. on Brickell Ave, Miami, Fla. 33131. Vice Pres. & Gen. Mgr: Bernard E. Neary. Prgr: Good music.
25) Box 7096, 1500 N. Market St, Shreveport, La. 71107. Pres: Frederic Gregg Jr. Prgr: Rock'n'roll.
26) Pickwick Hotel, 10th & McGree, Kansas City, Mo. 64106. Gen. Mgr: R. G. Reames. Prgr: Rock'n'roll.
27) 1440 Broadway, New York, N.Y. 10018. Vice Pres. & Stn. Mgr: Robert S. Smith. Prgr: Talk.
28) Box 751, 2000 N. Polk St, Amarillo, Tex. 79105. Gen. Mgr: Bob Watson.
29) 1520 Queen Anne Ave. N, Seattle, Wash. 98109. Vice Pres. & Gen. Mgr: W. F. Tucker. Prgr: Good music.
30) 2501 Bradley Pl, Chicago, Ill. 60618. Pres: Ward L. Quaal. Prgr: Good music.
31) Box 1447, Montgomery-Troy Hwy. 231, Montgomery, Ala. 36102. Pres. & Gen. Mgr: W. J. Brennan.
32) 6540 Sunset Blvd, Los Angeles, Calif. 90028. Studios: Avalon, Catalina Isl, Hollywood. Vice Pres. & Gen. Mgr: Alan Fischler. Prgr: Soft background music.
33) Sheraton Palace Hotel, San Francisco, Calif. 94105. Vice Pres. & Gen. Mgr: Neil E. Derrough. Prgr: Good music.
34) Box 907, Mt. Airy, N.C. 27030. Owner: Ralph Epperson.
35) 1502 S. Bounder, Tulsa, Okla. 74103. Gen. Mgr: Ron B. Blue.
36) Rice Hotel, Houston, Tex. 77052. Vice Pres. & Gen Mgr: Frank Stewart. Prgr: Good music
37) Box 1040, Anchorage, Alsk. 99501. Pres: Miller C. Robertson.
38) White Columns, 1601 W. Peachtree St. N.E, Atlanta, Ga. 30309. Gen. Mgr: Elmo Ellis. Prgr: Good Music.
39) Division at Center St, Grand Island, Neb. 68801. Pres: Don Searle.
40) Box 22106, S.E. 82nd & Sunnyside Rd, Portland, Ore. 97222. Gen. Mgr: Lester M. Smith. Prgr: Good music.
41) Box 3110, News Bldg, Honolulu, Haw. 96802. Vice Pres. & Gen. Mgr: William O. Paine.
42) Fisher Bldg, Detroit, Mich. 48202. Vice Pres. & Gen. Mgr: Daniel B. Burke. Prgr: Good music.
43) Box 1351, 1430 Coal Ave. S.W., Albuquerque, N.M. 87103. Pres: Stanley E. Hubbard.
44) 1330 Ave. of the Americas, New York, N.Y. 10019. Vice Pres. & Gen. Mgr: Don Curran. Prgr: Rock'n'roll.
45) 630 N. McClurg Court, Chicago, Ill. 60611. Vice Pres. & Gen. Mgr: E. H. Shomo. Prgr: Talk.
46) 277 Golden Gate Ave, San Francisco, Calif. 94102. Gen. Mgr: Edward F. McLaughlin.
47) 125 E. 31st St, Kansas City, Mo. 64108. Vice Pres. & Gen. Mgr: E. K. Hartenbower. Prgr: Good music.
48) 1400 Balltown Rd, Schenectady, N.Y. 12309. Gen. Mgr: Robert Gilbertson. Prgr: Good music.
49) Communications Center 820, Dallas, Tex. 75202. Gen. Mgr: Mike Shapiro. Prgr: Good Music.
50) Box 1780, 3900 Barnett St, Fort Worth, Tex. 76101. St. Mgr: Roy I. Bacus. Prgr: Good music.
51) 625 2nd Ave. S, Minneapolis, Minn. 55402. Gen. Mgr: Larry Haeg. Prgr: Good music.
52) 6th & Broadway, Louisville, Ky. 40202. Sales Dir: James Topmiller.
53) Suite 520, 2101 Magnolia Ave, Birmingham, Ala. 35205. St. Mgr: Berk Fraser.
54) Box 5012, 1044 Lincoln St, Denver, Colo. 80203. Pres. & Gen. Mgr: Ralph Radetsky. Prgr: Good music.
55) 50 Morrissey Blvd, Boston, Mass. 02125. Pres: George Akerson. Prgr: Good music.
56) Box 10207, 6711 Kingston Pike, Knoxville, Tenn. 37919. Pres. & Gen. Mgr: James A. Dick.
57) Box 868, Raleigh, N.C. 27602. Vice Pres. & Gen. Mgr: Hugh Holder.
58) 1101 Euclid Ave, Cleveland, Ohio 44115. Vice Pres. & Gen. Mgr: James P. Storer. Prgr: Good music.
59) WJAC Bldg, Hickory Lane, Johnstown, Pa. 15907.
60) Norwegian Ave, Modesto, Calif. 95352. Gen. Mgr: William Bates Jr.
61) Box F, Pittsburg, Kan. 66762. Vice Pres. & Gen. Mgr: Bill Bengtson.
62) Box 251, Oak Hill, W.Va. 25901. Owner & Gen. Mgr: Robert Thomas Jr.
63) Roosevelt Hotel, New Orleans, La. 70140. Gen. Mgr: William Dean. Prgr: Good music.
64) 51 W. 52nd St, New York, N.Y. 10019. Gen. Mgr: Joseph Dembo. Prgr: News.
65) 360 N. Michigan Ave, Chicago, Ill. 60601. Vice Pres. & Gen. Mgr: Gene Taylor. Prgr: Rock'n'roll.
66) Box 950, Fairbanks, Alsk. 99701. Pres. & Gen. Mgr: A. G. Hiebert.
67) T. W. Patterson Bldg, Fresno, Calif. 93721. Vice Pres: Roger Clipp.
68) 100 Biscayne Tower, Miami, Fla. 33132. Vice Pres. & Gen. Mgr: Frank Craig. Prgr: Good music.
69) Bankers Insurance Bldg, Macon, Ga. 31201. Gen. Mgr: Frank Crowther.
70) Box 1007, Waipahu, Oahu, Haw. 96797. Gen. Mgr: Harry En Chu.
71) 8th & Keo Way, Des Moines, Iowa 50309. Pres: Burrell Small.
72) Box 19124, 2906 Tulane Ave, New Orleans, La. 70119.

# U.S.A.

Gen. Mgr: John Revisore. Prgr: Rhythm & Blues.
73) 1009 William Clark Rd, Fayetteville, N.C. 28303. Pres: Victor Dawson.
74) Box 5585, Tucson, Ariz. 85717. Vice Pres. & St. Mgr: Phil Richardson.
75) Box 12107, Mephis, Tenn. 38112. Gen. Mgr: E. W. Bie. Prgr: Country music.
76) Radio WHOO Rd, Orlando, Fla. 32808. Vice Pres. & Gen. Mgr: Ronald Nickell.
77) Seven Penn Center, Philadelphia, Pa. 19103. Vice Pres. & Gen. Mgr: Joseph T. Conway. Prgr: Rock'n'Roll.
78) 228 Weybosset St, Providence, R.I. 02903. Vice Pres. & Gen. Mgr: Mowry Lowe. Prgr: Good music.
79) 4400 Whittle Springs Rd. N.E., Knoxville, Tenn. 37917. Gen. Mgr: Stan Hagan.
80) Box 787, Suite 200, 1st National Bldg, Wichita Falls, Tex. 76307. Pres. & Gen. Mgr: Bob H. Walker.
81) Marina City Commercial Bldg, 300 N. State St, Chicago, Ill. 60610. Gen. Mgr: Ken Draper. Prgr: Rock'n'roll.
82) 100 4th Ave. N, Seattle, Wash. 98109. Pres. & Gen. Mgr: W. W. Warren. Prgr: Good music.
83) 416 Union National Bank Bldg, Little Rock, Ark. 72201. Pres. & Gen. Mgr: Leonard Coe.
84) 433 Natoma St, San Francisco, Calif. 94103. Pres: Grant Wrathall. Prgr: Country music.
85) Box 1010, Radio City, Hillsboro Hotel, Tampa, Fla. 33601. Vice Pres. & Gen. Mgr: Hal Levin.
86) Box 67, A. Dee Rivers Station, 217 Ponce de Leon Ave, Decatur, Ga. 30031. Pres: John Fulton.
87) Box 1511, WMOX Bldg, Hwy. 11 & 80 E, Meridan, Miss. 39301. St. Mgr: Eddie Smith.
88) Box 28, St. Louis, Mo. 63166. Pres: Harold Schwartz.
89) 104 W. 8th St, Lexington, Neb. 68850. Gen. Mgr: Max Brown.
90) 90 Park Ave, New York, N.Y. 10016. Gen. Mgr: Charles F. Payne. Prgr: News.
91) Box 158, U.S. Hwy. 70, Black Mountain, N.C. 28711. Gen. Mgr: Donald Bailey.
92) Box 482, 806 Austin Ave, Waco, Tex. 76703. Gen. Mgr: Del Morton.
93) 338 S. Western Ave, Los Angeles, Calif. 90005. Gen. Mgr: Dale Peterson. Prgr: Country music.
94) Box 670, 1717 W. 2nd St, Roswell, N.M. 88201. Owner & Gen. Mgr: John A. Barnett.
95) 1 Gateway Center, Pittsburgh, Pa. 15222. Gen. Mgr: Wallace Dunlap. Prgr: Rock'n'roll.
96) 1170 Soldiers Field Rd, Boston, Mass. 02134. Gen. Mgr: Perry Bascom. Prgr: Rock'n'roll.
97) 402 S. Chaparri, Corpus Christi, Tex. 78403. Pres. & Gen. Mgr: Bob Kent.
98) 1100 Walnut St, Des Moines, Iowa 50308. Vice Pres. & Gen. Mgr: Robert Hartner.
99) 400 Park Ave, New York, N.Y. 10022. Pres. & Gen. Mgr: John C. Moler. Prgr: Good music.
100) Box 369, Chico, Calif. 95926. Gen. Mgr: Ned Richardson.
101) 529 Bienville St, New Orleans, La. 70130. Mgr: Robert Magruder. Prgr: Rock'n'roll.
102) 1619 Walnut St, Philadelphia, Pa. 19103. Gen. Mgr: Robert Whitney. Prgr: News.
103) Box 1310, Birmingham, Ala. 35201. Vice Pres. & Gen. Mgr: Donald D. Wear.
104) O'Grady Dr, Chattanooga, Tenn. 37401. Mgr: William Benns Jr. (Boost to 50kW slated).
105) 6121 Sunset Blvd, Los Angeles, Calif. 90028. Vice Pres. & Gen. Mgr: George Nicholaw. Prgr: Good music.
106) 2835 N. Illinois St, Indianapolis, Ind. 46208. Pres. & Gen. Mgr: Richard Fairbanks. Prgr: Good music.
107) Box 1402, 42nd & Broadway, Wichita, Kan. 67201. Pres. & Gen. Mgr: F. F. Lynch.
108) Box 12045, 2265 Central Ave, Memphis, Tenn. 38112. Vice Pres. & Gen. Mgr: Bert Ferguson. Prgr: Rhythm & Blues.
109) Box 100, 5727 Tokay Blvd, Madison, Wis. 53701. Vice Pres. & Gen. Mgr: Tony Moe.
110) 2300 Portola Dr, Box 1080, Santa Cruz, Calif. 95060. Gen. Mgr: C. V. Berlin.
111) 3 Constitution Plaza, Hartford, Conn. 06115. Vice Pres. & Gen. Mgr: Robert Tyrol. Prgr: Good music.
112) 931 S.W. King Ave, Portland, Ore. 97205. Gen. Mgr: George Sanders. Prgr: Country music.
113) 1101 Patterson St, Dallas, Tex. 75202. Vice Pres. & Gen. Mgr: W. A. Roberts. Prgr: Good music.
114) Box 491, 112½ Atlanta St, Marietta, Ga. 30061. Gen. Mgr: James Wilder.
115) Box 1790, 1425 W. 7th St, Little Rock, Ark. 72203. Gen. Mgr: Pat Walsh Jr.
116) 320 Aurora Ave. N, Seattle, Wash. 98109. St. Mgr: James W. Phillips. Prgr: Good music.
117) 3800 Hooper Ave, Baltimore, Md. 21211. Vice Pres. & Gen. Mgr: Alred Burk. Prgr: Soft background music.
118) Box 6400, 5590 Rio Grande, Jacksonville, Fla. 32205. Pres. & Gen. Mgr: Marshall Rowland. Prgr: Country music.
119) 1470 Pine St, San Francisco, Calif. 94109. Pres: A. J. Krisik. Prgr: Religious.
120) 384 Clinton St, Hempstead, N.Y. 11550. Gen. Mgr: Paul Godofsky.
121) 1403 E. 6th St, Cleveland, Ohio 44114. St. Mgr: Robert Martin. Prgr: Rock'n'roll.
122) 1401 S. Oak Knoll, Pasadena, Calif. 91109. Gen. Mgr: Lawrence Webb.
123) Box 1341, Walk Bldg, Tampa, Fla. 33602. Pres. & Gen. Mgr: Bob Leonard.
124) 5010 Underwood Ave, Omaha, Neb. 68132. Vice Pres. & Gen. Mgr: Lyell Bremser.
125) 1 Julian Price Pl, Charlotte, N.C. 28208. Pres: Charles H. Crutchfield.
126) 1144 Hampton Ave, St. Louis, Mo. 63139. Gen. Mgr: Robert Hyland. Prgr: Talk.
127) Box 1130, Shreveport, La. 71102. Gen. Mgr: Jack Timmons.
128) 500 Temple Ave, Detroit, Mich. 48201. Gen. Mgr: H. Y. Levinson. Prgr: Good music.
129) Box 6606, Minneapolis, Minn. 55420. Gen. Mgr: Phillip W. Trammell. Prgr: Rock'n'Roll.
130) 565 Fifth Ave, New York, N.Y. 10017. Vice Pres. & Gen. Mgr: Harvey Glascock. Prgr: Good music.
131) 759 N. 19th St, Milwaukee, Wis. 53233. Vice Pres. & Gen. Mgr: Herman A. Schneider. Prgr: Soft background music.
132) Box 6347, Sacramento, Calif. 95860. Pres. & Gen. Mgr: Manning Slater. Prgr: Country music.
133) 1448 N.W. 36th St, Miami, Fla. 33142. St. Mgr: Jack Nobles. Prgr: Spanish.
134) Box 4278, 5601 Cassia, Boise, Idaho 83705. St. Mgr: R. C. Weisenburger.
135) 205 N. Phillips Ave, Sioux Falls, S.D. 57102. Pres. & Gen. Mgr: Morton H. Henkin.
136) Box 1516, Hotel Richmond, 9th & Grace St, Richmond, Va. 23212. Gen. Mgr: John B. Tansey.
137) 8 S. Michigan Ave, Chicago, Ill. 60603. Vice Pres. & Gen. Mgr: George Dubinetz. Prgr: Country music.
138) Broadcast House, Salt Lake City, Utah 84111. Pres: Arch L. Madsen.
139) Box 2505, Montgomery, Ala. 36105. St. Mgr: Mike Layman.
140) Box 1629, 7th & Ash, San Diego, Calif. 92112. Gen. Mgr: Stan Torgerson. Prgr: Rock'n'Roll.
141) Box 1349, 3701 S. Peoria, Tulsa, Okla. 74105. Vice Pres. & Gen. Mgr: Crash Williams. Prgr: Good music.
142) Hawley Bldg, Wheeling, W.Va. 26003. Gen. Mgr: George Faulder. Prgr: Country music.
143) 2905 S. King Rd, San Jose, Calif. 95122. Vice Pres. & Gen. Mgr: Bill Weaver.
144) 350 E. Ave, Rochester, N.Y. 14604. Pres. & Gen. Mgr: William F. Rust Jr. Prgr: Rock'n'roll.
145) 2130 S.W. Fifth Ave, Portland, Ore. 97201. Vice Pres. & Gen. Mgr: Fulton Wilkins. Prgr: Good music.
146) KLIF Radio Plaza, 2120 Commerce St, Dallas, Tex. 75201. Gen. Mgr: Al Lurie. Prgr: Rock'n'roll.
147) Box 631, Bay Ridge Rd, Annapolis, Md. 21404. Pres. & Gen. Mgr: Morris H. Blum. Prgr: Rhythm & Blues.
148) 310 Lennox Ave, New York, N.Y. 10027. Gen. Mgr: Harry Novik. Prgr: Rhythm & Blues.
149) 12º W. Washington Blvd, Ft. Wayne, Ind. 46802. Gen. Mgr: C. ... Vadagrift.
150) Box 2641, WOAI Bldg, 1031 Navarro St, San Antonio, Tex. 78205.
151) City & Monument Aves, Philadelphia, Pa. 19131. Gen. Mgr: John O. Downey. Prgr: Talk.
152) 5200 State Rd, Saginaw, Mich. 48603. Pres. & Gen. Mgr: William J. Edwards.
153) Hotel Slater Hilton, 12th & Euclid Ave, Cleveland, Ohio 44101. Vice Pres. & Gen. Mgr: Carl E. George.
154) Box 167, 501 N. Payshore, San Jose, Calif. 25103. Gen. Mgr: Joe E. Levitt.
155) Broadcast House, 40th & Brandywine St. N.W, Washington, D.C. 20016. Vice Pres. & Gen. Mgr: Lloyd W. Dennis Jr. Prgr: Good music, some jazz.
156) 7441 Second Blvd, Detroit, Mich. 48202. Gen Mgr: William F. Sherry. Prgr: Rhythm & Blues.
157) 3415 University Ave, St. Paul, Minn. 55114. Vice Pres. & Gen. Mgr: Stanley S. Hubbard. Prgr: Good music.
158) Box 542, Eugene, Ore. 97401. Pres: Charles H. Wilson.
159) Box 1510, Mesa, Ariz. 85201. Gen. Mgr: Sheldon Engel.
160) Box 1031, New London, Conn. 06321. St. Mgr: Irving Lowenthal.
161) 161 4th Ave. N, Nashville, Tenn. 37219. Vice Pres. & Gen. Mgr: James M. Ward. Prgr: Rhythm & Blues at night.
162) Box 141, Spokane, Wash. 99210. Pres: E. H. Weig.
163) 330 Wisconsin Ave, Waukesha, Wis. 53186. Gen Mgr: David M. Dunahoo.

164) Box 1520, Port Hueneme (Suburb of Oxnard) Calif. 93031. Gen. Mgr: Ronald Thompson.
165) 1430 Main St, Buffalo, N.Y. 14209. Vice Pres. & Gen. Mgr: Bill Weaver. Prgr: Rock'n'roll.
166) Roosevelt Field, Garden City, L.I, N.Y. 11530. Vice Pres. & Gen. Mgr: Hartley L. Samuels. Prgr: Country music.
167) Box 1520, Oklahoma City, Okla. 73101. Gen. Mgr: Rex R. Miller. Prgr: Rock'n'roll.
168) Box 22125, Portland, Ore. 97222. Pres: J. Elliot Knoll. Prgr: Soft background music, some good music.
169) Box J, 611 S. Buchanan St, Laffayette, La. 70501. Vice Pres. & Gen. Mgr: James V. Hoffpauir. Prgr: Country music.
170) 21st & Q, Sacramento, Calif. 95804. Mgr: Arthur C. Williams.
171) 501 Carew Tower, Cincinnati, Ohio 45202. Pres: C. H. Topmiller. Prgr: Good music.
172) Drawer 711, Harlingen, Tex. 78551. Vice Pres. & Gen. Mgr: Otis Shumate.
173) Box 2049, Seminary South, Ft. Worth, Tex. 76115. Gen. Mgr: Roy L. Lemons. Prgr: Rock'n'roll.
174) 5700 Sunset Blvd, Los Angeles, Calif. 90028. Vice Pres. & Gen. Mgr: Frederick D. Custer. Prgr: Soft background music.
175) Box 2395, Highway 281 East, Waterloo, Iowa 50705. Vice Pres. & Gen. Mgr: Al Laval.
176) Box 1540, 4243 Albany St, Albany, N.Y. 12205. St. Mgr: Howard S. Shulman. Prgr: Rock'n'roll.
177) 2043 Locust St, Philadelphia, Pa. 19103. Gen. Mgr: Eugene McCurdy. Prgr: Country music.
178) 1445 W. Baseline Rd, Phoenix, Ariz. 85009. Pres. & Gen. Mgr: George Wilson.
179) St. Francis Hotel, Union Sq, San Francisco, Calif. 94119. Vice Pres. & Gen. Mgr: Elmer Wayne. Prgr: Classical music.
180) 5065 W. 2100 S, Salt Lake City, Utah 84120. Gen. Mgr: Jack Adamson.
181) Box 186, Shenandoah St, Miami, Fla. 33145. Pres: Jack Roth. Prgr: Good music
182) Box 1402, Mobile, Ala. 36601. Pres. & Gen. Mgr: Samuel David. Prgr: Rhythm & Blues.
183) Box 1, 9334 W. 58th Ave, Arvada, Colo. 80002. Gen. Mgr: Richard P. McKee.
184) Box 1754, Shreveport, La. 71102. Pres: S. J. Hepburn. Prgr: Rhythm & Blues.
185) Box 639, Bennettsville, S.C. 29512. Vice Pres. & Gen. Mgr: A. K. Harmon.
186) Box 3228, Jackson, Miss. 39207. Gen. Mgr: Charles Fletcher. Prgr: Rhythm & Blues.
187) Box 1988, 1333 W. Cass St, Tampa, Fla. 33601. Pres. & Gen. Mgr: Art Reuben.
188) Box 526, Smyrna, Ga. 30080. Gen, Mgr. L. N. Polk.
189) Capitol Towers Bldg, Nashville, Tenn. 37202. Vice Pres. & Gen. Mgr: Rodger May. Prgr: Soft background music.
190) Box 1709, Bakersfield, Calif. 93302. Mgr: L. A. Schamblin.
191) 229 W. 43rd St, New York, N.Y. 10036. Pres: Ivan Velt. Prgr: Classical music.
192) 1532 3rd St, Santa Monica, Calif. Gen. Mgr: Albert Files. Prgr: Rhythm & Blues.
193) Box 15040, 600 E. Gilbert Dr, Phoenix, Ariz. 84108. Gen. Mgr: Dorothy Owens.
194) Box 759, First Federal Bldg. 134 N. Lime, Lexington, Ky. 40501. Pres. & Gen. Mgr: Robert Johnson.
195) Box 717, Pennsylvania & Woodside Ave, Patchogue, L.I, N.Y. 11772. Gen. Mgr: Lee Gilbert.
196) Parkway Bldg, Box 8550, Washington, D.C. 20027. Gen. Mgr: Robert Howard. Prgr: Rock'n'roll.
197) Box 1516, 377 Alhambra Cl, Coral Gables, Fla. 33134. Pres. & Gen. Mgr: Ted Niarhos.
198) Box 8067, 1580 N. Davie Rd, Ft. Lauderdale, Fla. 33310. Pres: Gene Milner. Prgr: Good music.

## RADIO NETWORKS

**ABC RADIO NETWORK** (A division of American Broadcasting Companies Inc).
**ADDR:** 1330 Avenue of the Americas, New York, N.Y. 10019. **L.P.:** Pres: W. Schwartz. Vice-Pres. Sales: Ted Douglas. Adv. Dir: D. Schlosser. Vice-Pres. St. Rel: E. Mullins. Mgr. St. Rel: F. Atkinson. Vice-Pres. Programming: J. Thayer. For executives of parent company, see television listings. Radio has four divisions — FM, Contemporary, Personality and Information.
**ABC-owned stations:** WABC, New York, (Pres: H. Neal Jr.); KABC, Los Angeles; KGO, San Francisco; WXYZ, Detroit; KQV, Pittsburgh; WLS, Chicago.

**CBS RADIO NETWORK**(A division of Colombia Bc. System Inc).
**ADDR:** 51 W. 52nd St, New York, N.Y. 10019.
**L.P.: Pres:** Clark B. George. Vice-Pres. & Asst. to Pres: W. Rozett. Network Gen. Mgr: G. J. Arkedis. Network Sales Dir: B. Lochridge. Network Prgr. Dir: G. Perkins. St. Adm. & Spot Sales Dir: S. C. Digges. Development Dir: M. Webster. R. News Dir: E. Stone. For executives of parent company, see television listings.
**CBS owned and operated stations:** WCBS, New York; WBBM, Chicago: KCBS, San Francisco; KMOX, St. Louis; KNX, Los Angeles; WEEI, Boston; WCAU, Philadelphia.
**NABC RADIO NETWORK**(A division of North-America Broadcasting Corporation)
**ADDR:** The Jackson Bldg, 1929 Irving Str, San Francisco, Calif 94122. **Te:** 731-6630. **Cable:** Broadcast. **L.P:** Operations Mgr: Regan O'Brien. Gen. Mgr: Michael K. Erickson.

**THE NORTH-AMERICAN BROADCASTING CORPORATION**
**Headquarters:** Jackson Bldg, 1929 Irving Str, San Francisco 94122. **Te:** 731-6630. (Transcription Sce, Telefilm Distribution Center & Netw. at above address.)
**L.P:** Chmn of Board of Dir's: Allan Bruce Erickson. Departmental Heads: Gen. Mgr. (Radio): Michael K. Erickson. Transcription Sce: Cathy Myers. Engineering: Ron V. Pelt. TV-Department: James E. Hunt. International Relations: Sandy Harris.
**Stations:** 307 educational organizations owing and operating a total of 322 stations (radio) and 27 stations (television), such stations being full members of the NABC. Plus, 103 stations (radio) operated commercially which relay programs from the NABC on a sustaining (non-commercial) basis. Such stations have Associate Membership.
**Fi:** By Membership Fees. Also support from outside sources for special projects.
**Activities & Functions:** The NABC operates both a network and a Transcription Sce. which duplicates, via tape, and distributes to member stations seven hours of programming per week (average). NABC maintains close relations with many international broadcasters and participates actively in program exchanges, news projects and cultural affairs. Several overseas broadcasters release programs through the NABC and these include the NZBC and ORTF. NABC is a Charter Corporate Member of the I.B.S.
**Policy:** It is the policy of the NABC to promote international goodwill, cultural exchanges and better programming in the public interest and in the interest of international understanding. The NABC is independent politically and financially from any government and endeavours to present a fair, impartial and objective viewpoint on world issues. Its programming policies attract new listeners because of balanced content, creating cultural interest where none existed before. Its long-term plans include the establishment of a Production/Announcing and General Training Center for personnel, a Drama Repertory Company, Symphony, Concert and Light Music Orchestras (House Orchestras) and overseas offices and studios.

**NBC RADIO NETWORK**(A division of National Broadc. Co).
**ADDR:** 30 Rockefeller Plaza, New York, N.Y. 10020.
**L.P:** Pres: Stephen B. Labunski. Vice-Pres. Sales: G. H. Gallup. Vice-Pres. Programming: R. Wogan. Vice. Pres. R. Div: Marion Stephenson. For executives of parent company, see television listings.
**NBC owned and operated stations:** WNBC, New York (Vice-Pres. & Gen. Mgr: Stephen Riddleberger); WRC, Washington; WJAS, Pittsburgh; WMAQ, Chicago; WKYC, Cleveland; KNBR, San Francisco.

**MUTUAL BROADCASTING SYSTEM INC.** (Subs. of Mutual Broadcasting Corp).
**ADDR:** 135 W. 50th St, New York, N.Y.
**L.P.:** Chmn. of Board: John P. Fraim. Pres: Matthew J. Culligan. Vice-Pres. Marketing: James E. Fuchs. Vice-Pres. Adm: Dudley J. Cox.

## EDUCATIONAL ORGANIZATIONS

**Department of Health, Education and Welfare,** Office of Education, Washington D.C. 20202; Office of the Under Secretary: I.A. Nestingen.
**The Educational Television Facilities Programme** designed to encourage establishment of new and improved broadcast facilities through financial grants based on matching funds.
**Office of Education, Media Research and Dissemination Branch,** Ag. Dir: Th. D. Clemens. Educ. Media Specialist: Mrs. G. Broderick, provides a variety of services by professional staff specialists to schools and college officials, st. operators, and others, as requested. Under Title VII of the National Defense Education Act, finances research and experimentation in the educ. uses of all media; disseminates information on the subject through conferences, seminars, workshops, and publication of pertinent bulletins.
**National Association of Educational Broadcasters (NAEB).**
**Headquarters:** 1346 Connecticut Ave, Washington, D.C. 20036. **Te:** (202) 667-6000 — **L.P.:** Pres: W. G. Harley; Asst. to Pres: James A. Fellows; Exec. Dir of T.V: Chalmers Marquis; Exec. Dir. of Radio; Gerrold Sandler.

# U.S.A. — United Nations

Formed in 1925 as the Association of College and University Broadcasting Stations, the National Association of Educational Broadcasters today includes four divisions — the Educational TV Stations, National Education Radio, Instructional Division (through which the NAEB serves universities, colleges, schools and educational organizations which operate licensed or closed circuit stations) and the Individual Member Division (which serves the professional career needs of those in educational broadcasting). Since 1950, the NER division has operated a tape network, supplying member st's with programming material not only from member st's but also from domestic and foreign producers like the BBC, the CBC, the RAI, Radio Nederland, Radio Belgium, and the French Broadcasting System. The ETS division operates the ETS Program Service, located at Indiana University, to make available outstanding locally-produced programs on a nationwide basis. This service, together with that of National Educational TV, an independent organization primarily responsible for production and distribution of cultural and public affairs, programmes, provides educational TV stations with programming. The ETS division also publishes a monthly newsletter for ETV station managers — The ETS News.
There are now 163 radio st. members, 134 TV st. members. In addition, the NAEB has 2400 individual members. Accord.ng to FCC regulations, non-comm. educational FM st's have no restrictions on transmission time.

### NATIONAL ASSOCIATION OF FM BROADCASTERS

**ADDR:** 45 W. 45th St, New York, N.Y. 10036.
**L.P.:** Chmn. of the Board: Elmo Ellis. Pres: Abe Voron. Exec. Secr: Edward S. Kenehan. Dir. of Adm: Lois Heuer.
**Purpose:** To promote the FM medium. The NAB has an FM division, but a group of young, energetic FM broadcasters formed the NAFMB, seeking to improve the medium faster. One of their all-out campaigns during the past year, for example, was to get more radios capable of receiving FM in cars and this campaign has been very successful. Under strong leadership and the active interest of its members, FM radio has made long strides in the past year or so. FM, for the first time, is being accepted as commercial radio by advertisers. Also, FM radio now features all kinds of formats, even rock'n'roll; it is no longer the quality medium for the élite or the music buff; it is a mass-medium for everyone. There have also been strides in stereo, and 605 FM st's now broadcast in multiplex stereo, according to the NAFMB, with more stations changing to stereo every day.

### GOVERNMENT AGENCY:

**THE FEDERAL COMMUNICATIONS COMMISSION (FCC)**— the licensing agency for broadc. st's — **ADDR:** P.O. Dept. Bldg, Washington 20554, D.C. — **L.P. (key officials):** Chmn: Rosel Hyde. Exec. Dir: M. D. Paglin. Secr: B. F. Waple. Chief, Broadcast Bureau: G. S. Smith.
The FCC is an independent Federal agency, composed of seven Commissioners appointed by the Pres. by and with the advice and consent of the Senate. One of its major activities is the general regulation of broadc. — now visual as well as aural. This regulation may be divided into three phases: 1) The allocation of spectrum space to the different types of broadcast services, 2) Considerations to build and operate individual stations, 3) Regulating their operation.
**Call letters.** — International agreement provides for the national identification of the radio st. by the first letter or first two letters of its assigned call signal, and for this purpose apportions the alphabet among different nations. USA st's use the initial letters K, N, and W, exclusively, and part of the A series. Broadcast st's are assigned call letters beginning with K or W. Generally speaking, those beginning with K are assigned to st's west of the Mississippi River and in the territories and possessions, while W is assigned to broadcast st's east of the Mississippi.

**Number of broadc. st's in the USA as of June 1st, 1967.**

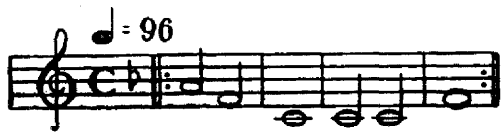
| | Authorised | Operating |
|---|---|---|
| AM | 4219 | 4116 |
| FM Commercial | 1925 | 1630 |
| FM Educational | 342 | 302 |
| TV Commercial | †786 | 587 |
| TV Educational | 181 | 99 |
| TV Translators | 2177 | 1984 |

† Of the 786 authorized commercial TV stations, 519 are VHF, 267 are UHF.

## UNITED NATIONS

### UNITED NATIONS RADIO

**ADDR:** United Nations, New York. **Cable:** Unations, New York. **Te:** Plaza 4-1234. Telex 222422 — **L.P:** Officer-in-Charge, Office of Public Information: J. Rolz-Bennett. R. & Visual Services Div: Dir: J. d'Arcy. Deputy Dir: D. Ritchie. Chief of Operations & TV: M. Hayward. Chief of Radio: P. Jankowski. Mgr. Technical Operations: J. C. Nichols.
**INT-SIG:** Music Chime.




**ANN:** "This is the "United Nations". This introductory phrase is used in all official UN prgrs. in all of the languages concerned

Message to listeners: The R. & Visual services Division is anxious to establish contact with as many listeners as possible and will gladly acknowledge all communications. Upon request, new correspondents are sent a prgr. sched. and some general information about the United Nations and the Specialized Agencies. Correspondence and requests for copies of the schedule of UN broadcasts should be addressed to the Director of the nearest UN Information Centre. These are located in Accra, Addis Ababa, Algiers, Asuncion, Athens, Baghdad, Bangkok, Beirut, Belgrade, Bogota, Buenos Aires, Bujumbura, Cairo, Colombo, Copenhagen, Dakar, Dar Es Salaam, Geneva, Kabul, Karachi, Kathmandu, Khartoum, Kinshasa, Lagos, La Paz, Leopoldville, Lima, Lome, London, Manila, Mexico City, Monrovia, Moscow, New Delhi, Paris, Port Moresby, Port-of-Spain, Prague, Rabat, Rangoon, Rio de Janeiro, Rome, San Salvador, Santiago, Sydney, Tananarive, Teheran, Tokyo, Tunis, Washington, Yaounde.

Request for copies of the sched. of UN broadc, which can be heard in the United States should be addressed to: Radio and Visual Services Divisions, United Nations, New York.

### BROADCASTS FROM THE UNITED NATIONS

G=Greenville; T=Tangier; B=Bethany; BB=Boundbrook; D=Delano; DI=Dixon; M=Monrovia; P=Philippines; I=We. & Ce. Europe; II=So. Europe; III=We. & Ce. Africa; IV=Ea. Latin America; V=Brazil; VI=We. Latin America; VII=Ce. & So. Africa; VIII=M. East/No. Africa; IX=We. Africa; X=Ea. Africa; XI=Malaysia/Singapore; XII=Australia/N.Z.; XIII=So. Ea. Asia. *=Mon-Fri. **=Tues-Sat.

| Schedule Times | Area | kHz/tr | L |
|---|---|---|---|
| 18.00-18.30* | I/II | 15245/17740(T)[1] | |
| | | 15415/21510(G) | a |
| 18.30-18.45* | III | 15415/21510(G) | b |
| 18.45-19.00* | VIII | 17740(T)[1], 15415/21510(G) | Arabic |
| 00.30-01.00** | IV/VI | 9640(G), 11915/15160(B) | Spanish |
| 01.00-01.15** | V | 11955/15250/17805(G) | Portuguese |
| 02.30-02.45** | XI | 15210/17830(P)[2] | **English** |
| 05.30-06.00** | VII | 6125/9590(G) | c |
| 06.15-06.30 | IX | 6125/9590(G) | d |
| 06.30-07.00** | II/VIII | 9615/11960/15315(T)[3] | e |
| 07.45-08.00** | X | 17780/21520(M)[4] | **English** |
| 08.45-09.00** | XII | 9740/11715(DI) | **English** |
| 10.00-10.30** | XIII | 15175/17825(P)[5] | f |
| 10.30-10.45** | XIII | 15250(P)[5] | Chinese |
| 10.45-11.00** | XIII | 15250(P)[5] | **English** |

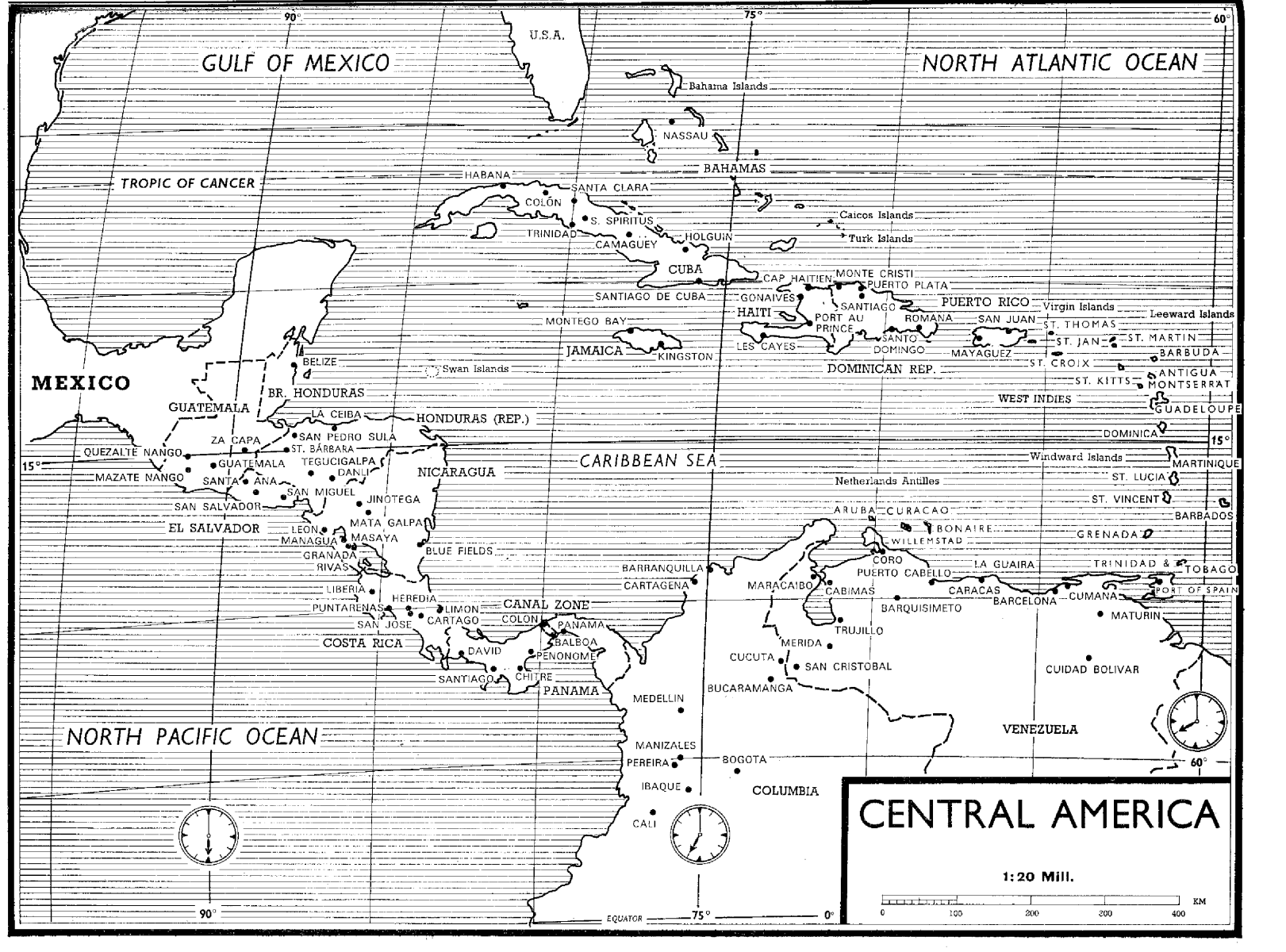
1) tr. to (T) on SSB Greenville 19721kHz — 2) tr. to (P) on 17850/21630kHz (D/DI) — 3) tr. to (T) at 03.30-04.00 on 6065/9770kHz (G) — 4) tr. to (M) at 06.00-06.15 on 6125/9590kHz (G) — 5) tr. to (P) at 06.30-07.30 on 11875/15290kHz (D/DI).

a) **N:** English 18.00, French 18.05, Spanish 18.10, Greek 18.15, Turkish 18.20, German 18.25 — b) **N:** English 18.30, French 18.35, Spanish 18.40 — c) **N:** French 05.30, English 05.45 — d) **N:** French 06.15, English 06.22 — e) **N:** English 06.30, Hebrew 06.35, French 06.40, Italian 06.45, Serbo-Croat 06.50.

### BROADCAST OF MEETINGS OF THE GENERAL ASSEMBLY AND THE SECURITY COUNCIL WHEN IN SESSION.

| AM Meeting | kHz/Beams | tr. |
|---|---|---|
| 14.30-17.00 to Europe[6] | 15140(55°)/21600(94°) | G |
| 14.30-17.00 to Latin America[8] | 15220/21515(168°) | B |
| **PM Meeting** | | |
| 19.00-22.30 to Europe/Africa[6] | 15415(55°) | G |
| 19.00-24.00 to Europe/Africa[6] | 21510(67°) | G |
| 22.15-23.00 to Europe/Africa[6] | 11920(94°) | G |
| 22.30-01.00 to Europe/Africa[6] | 15415(45°) | G |
| 19.00-22.30 to Latin America[8] | 21520(168°) | B |
| 19.00-24.00 to Latin America[8] | 17750(168°) | B |

6) in English and French; 8)in Spanish.


GULF OF MEXICO
NORTH ATLANTIC OCEAN
NORTH PACIFIC OCEAN
CARIBBEAN SEA
U.S.A.
MEXICO
TROPIC OF CANCER
Bahama Islands
NASSAU
BAHAMAS
HABANA
SANTA CLARA
COLÓN
S. SPIRITUS
TRINIDAD
CAMAGUEY
HOLGUIN
Caicos Islands
Turk Islands
CUBA
CAP HAITIEN
MONTE CRISTI
PUERTO PLATA
SANTIAGO DE CUBA
GONAIVES
SANTIAGO
PUERTO RICO
Virgin Islands
Leeward Islands
HAITI
PORT AU PRINCE
ROMANA
SAN JUAN
ST. THOMAS
ST. JAN
ST. MARTIN
MONTEGO BAY
JAMAICA
KINGSTON
LES CAYES
SANTO DOMINGO
MAYAGUEZ
ST. CROIX
BARBUDA
DOMINICAN REP.
ANTIGUA
MONTSERRAT
ST. KITTS
WEST INDIES
GUADELOUPE
DOMINICA
Windward Islands
MARTINIQUE
ST. LUCIA
ST. VINCENT
BARBADOS
GRENADA
Netherlands Antilles
ARUBA
CURACAO
BONAIRE
WILLEMSTAD
CORO
PUERTO CABELLO
LA GUAIRA
TRINIDAD & TOBAGO
PORT OF SPAIN
MARACAIBO
CABIMAS
CARACAS
BARCELONA
CUMANA
BARQUISIMETO
MATURIN
TRUJILLO
MERIDA
CUCUTA
SAN CRISTOBAL
CUIDAD BOLIVAR
BUCARAMANGA
VENEZUELA
BARRANQUILLA
CARTAGENA
MEDELLIN
MANIZALES
PEREIRA
BOGOTA
IBAQUE
CALI
COLUMBIA
BELIZE
Swan Islands
BR. HONDURAS
GUATEMALA
LA CEIBA
HONDURAS (REP.)
SAN PEDRO SULA
ZA CAPA
QUEZALTE NANGO
ST. BÁRBARA
GUATEMALA
TEGUCIGALPA
MAZATE NANGO
SANTA ANA
DANLI
NICARAGUA
SAN MIGUEL
JINOTEGA
SAN SALVADOR
EL SALVADOR
LEON
MATA GALPA
MANAGUA
MASAYA
GRANADA
BLUE FIELDS
RIVAS
LIBERIA
HEREDIA
PUNTARENAS
LIMON
CANAL ZONE
CARTAGO
COLON
PANAMA
SAN JOSE
BALBOA
COSTA RICA
DAVID
PENONOME
SANTIAGO
CHITRE
PANAMA
90°
75°
60°
15°
0°
EQUATOR
CENTRAL AMERICA
1:20 Mill.
KM
0
100
200
300
400

## United Nations — Cuba

Prgr's from the United Nations are broadcast by st's in more than 120 countries and territories. The times of these broadcasts may be ascertained from local newspaper or from the stations concerned — R. st's in the US and Canada receive the prgr's direct by line from the Nations Headquarters or by recording — The R. and Visual Services Division prepares and distributes recorded prgr's in Amharic, Arabic, Bengali, Chinese, Duri, Dutch, English, French, German, Greek, Hebrew, Hindi, Hungarian, Indonesian, Italian, Malay, Malgache, Persian, Polish, Portuguese, Pushtu, Russian, Serbo-Croat, Sinhalese, Spanish, Swahili, Tagalog, Thai, Turkish and Urdu.
Letters from listeners are welcome.
New listeners are sent some general information about the United Nations upon request — Correspondence and request for particulars of the United Nations broadcasts from Headquarters should be addressed to: Radio and Visual Services Division, United Nations, New York.

# CENTRAL AMERICA

## BAHAMAS (British)

**L.T:** GMT – 5h – **Pr.L:** English.

**BAHAMAS BROADCASTING AND TELEVISION COMMISSION (Gov, Comm.)**
**ADDR:** P.O. Box 1347, Nassau. **Te:** 2–4623. **Cable:** "Broadcasts" – **L.P:** Mgr: R. Bethel. Dir. Tec: L. Cartwright.
**STATIONS** (System: Gates (ZNS1).
ZNS1 1540kHz 195m 10kW – ZNS2 1240kHz 242m 0.25kW.
**HOME SCE:** On 1540kHz: 11.00 (Sun 12.00) –05.00. **N:** 13.15, 18.15, 00.15 – On 1240kHz: 22.30–04.00. **N:** 01.00.
**ANN:** "This is st. ZNS, Nassau." "This is ZNS2, the Voice of New Providence" – **V.** by letter. Recordings accepted.

## BARBADOS

**L.T:** GMT – 4h – **Pr.L:** English.

**CARIBBEAN BROADCASTING CORPO. (Gov, Comm.)**
**ADDR:** P.O. Box 780, Barbados. **Te:** 92041. **Cable:** Cabroco – **L.P:** Gen. Mgr: A. N. Forde. Dir. Tec: G. S. Shaw. Asst. Dir. Prgr: K. L. Foster.
**STATION** (System Marconi) 785kHz 10kW.
**HOME SCE.** in English: 09.30–06.00 – **N:** 10.50, 11.00*, 12.00, 13.00*, 14.00, 15.00, 16.00*, 17.00*, 18.00, 19.00, 20.00*, 21.00*, 22.00, 23.00*, 00.00, 01.00, 03.00* – *= BBC.
**ANN:** "This is R. Barbados – 780 on your dial" – **V.** by letter. Rp. Recorded or written re. in E – **FI:** By adv – **AD:** 12 min's per h.

**BARBADOS REDIFFUSION SERVICE LTD. (Public Co.)**
**ADDR:** River Rd, Bridgetown. **Te:** 0811, **Cable:** Rediffusion – **L.P:** Gen. Mgr: G. Duesbury. Eng: J. S. W. Marshall. Dir. Prgr: F. C. Pardo – **D.Prgr:** 09.58–03.03 – **N (BBC):** 11.00, 16.00, 21.00, 23.00, 03.00.

## COSTA RICA

**L.T:** GMT – 6h – **Pr.L:** Spanish

**DEPARTAMENTO CONTROL NACIONAL DE RADIO**
**ADDR:** Apt. 3483, San José. **Cable:** Ranac. **Te:** 7339. **L.P:** Dir: L. H. Andrés.

**EMPRESARIOS RADIODIFUSORES ASOCIADOS (ERA)**
**ADDR:** Apt. Postal 111, San José. **L.P:** Pres: R. Barahona Gomez.
**STATIONS:** All st's comm. exc. 4), 21) (Rlg), 17), 37) (Cultural).
**Short Waves:** Call: TI—. 1) Ea. & We; 2) No. & So.

| | Call | kHz | m | kW | Name & h of tr. |
|---|---|---|---|---|---|
| 1) | RICA | 4745 | 63.22 | 3 | La Voz de la Victor, San José: 11.00-05.00 |
| 2) | RHB2 | 4750 | 63.16 | 1 | R. Popular, San José |
| 3) | Q | 5954 | 50.39 | 1 | R. Casino, P. Limon: 11.55–06.00 |
| 4) | FC | 6037 | 49.69 | 2d[1] | Faro del Caribe, San José: 12.00–19.00, 23.15–04.00 |
| 5) | JCV | 6150 | 48.78 | 1 | R. Guapiles |
| 6) | JCD | *6205 | 48.35 | 1 | R. Atenas, San José |
| 7) | HGB | 6207 | 48.33 | 1 | R. Reloj, San José: 24h |
| 2) | RHB2 | *6215 | 48.27 | 1 | R. Popular, San José |
| 4) | FC | 9645 | 31.10 | 2d[2] | Faro del Caribe, San José: 12.00–19.00, 23.15–04.00 |

**Medium Waves:** Call: TI—. °) also Short Wave.

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 8) JJH | 550 | 1.5 | 11) BAS | 650 | 1 | 13) RA | 750 | 1 |
| 9) JC | 575 | 5 | 9) JC2 | 675 | 5 | 14) W | 775 | 4.5 |
| 10) AV | 605 | 1 | 7) HB | °700 | 2 | 15) GPH2 | 800 | 3.5 |
| 1) RICA | °625 | 50 | 12) LX | 725 | 1 | 16) OS | 825 | 1.5 |
| 17) UCR | 850 | 10 | 24) SRHB | °1125 | 1 | 32) LG | 1400 | 1 |
| 11) GPH | 875 | 1 | 12) GPH3 | 1150 | 1 | 33) CJ | 1425 | 1 |
| 18) CS | 900 | 6 | 3) CA | 1175 | 2 | 34) MMC | 1450 | 1 |
| 9) JC3 | 925 | 3 | 25) Q | °1200 | 1 | 35) DVC | 1465 | 5 |
| 19) EGO | 950 | 1 | 26) GM | 1225 | 1 | 36) L3 | 1500 | 1 |
| 6) RS | °975 | 4 | LM | 1250 | 1 | 37) EEAW | 1525 | 1 |
| 20) GPH | 1000 | 1 | 27) RE | 1275 | 1 | 38) MET | 1550 | 2 |
| 21) AC | 1025 | 2 | 28) SBJ | 1300 | 2 | 39) JJG | 1575 | 1 |
| 22) GPH | 1050 | 1 | 29) RG | 1325 | 1 | 40) ACA | 1600 | 1 |
| 4) FC | °1075 | 10 | 30) JRA | 1350 | 1 | | | |
| 6) RN | 1100 | 1 | 31) MAR | 1375 | 1 | | | |

**Short Waves:**
1) Apt. 1079, San José. **Te:** 213737. **Cable:** Voz Victor. **L.P:** Dir. Gen: S. March Palau. **D.Prgr: N:** every half h and 12.00, 17.00, 21.00, 03.00. **Ann:** "Estan Uds. escuchando la R. Internacional La Voz de Victor en 625kc onda larga y 4745kc onda corta". **FM:** 102.14MHz. **V.** by QSL-card. Recordings accepted.
2) Apt. 341, San José. **Te:** 5607. **L.P:** Dir: R. Barahona. **Secr:** Miss M. C. A. Barahona. **D.Prgr: N:** every h on the h. **Ann:** "Esta es R. Popular de Costa Rica". **V.** by QSL-card or letter. Re. in Sp, E.
3) Apt. 287, Puerto Limon. **L.P:** Dir: L. Villalobos. **V.** by letter.
4) Apt. 2710, San José. **Te:** 1250. **L.P:** Mgr: F. Cabezas **B. Dir.** Tec: W. Griffin. Dir. Prgr: P. Delgado. **D.Prgr:** 12.00–19.00, 23.15–04.00. **English Hour:** 03.00–04.00. **"Lumbrera a mi Camino"** (Spanish Christian prgr's): 15.00–16.00. **Ann:** "This is TIFC, the Lighthouse of the Caribbean in San José, Costa Rica". Sp: "TIFC, Faro del Caribe en San José, Costa Rica". V. by QSL-card. **Pub:** Prgr. sched. free on request.
5) Guápiles. **L.P:** Dir: P. Jesús C.
6) Apt. 208, San José. **L.P:** J. Vega.
7) Apt. 341, San José. **L.P:** R. Barahona G. **V.** by letter.

**Medium Waves:**
8) **R. Progreso,** Apt. 122, Alajuela. **L.P:** Dir: E. Martinez.
9) **R. Cadena Musical,** Apt. 854, San José. **L.P:** J. Castro C. **D.Prgr:** 12.00–16.00.
10) R. TicTac, San José. **L.P:** Dir: A. Vargas.
11) **R. Monumental,** Apt. 800, San José. **L.P:** Dir: L. Pinto S.
12) **R. Columbia,** Apt. 708, San José (TICA: Apt. 708, Puntarenas). **L.P:** C. Alfaro.
13) **Radiolandia,** Apt. 2525, San José. **L.P:** Dir: R. Aguilar V. **D.Prgr:** 11.00–05.00. **V.** by QSL-card. Recordings accepted. Rp.
14) **R. City,** Apt. 835, San José. **L.P:** Dir: A. Múrolo C. **V.** by letter.
15) **R. Centro,** San José. **L.P:** L. Pinto S.
16) **R. Titania,** Apt. 512, San José. **L.P:** Dir: M. Sotela P.
17) **R. Universitaria,** San Pedro. **L.P:** Dir: C. Salazar **H.D .Prgr:** 14.00–04.00 (Classical music only). **V.** by letter.
18) **La Voz de America,** Apt. 517, San José. **L.P:** A. F. Cañas.
19) **R. Eco.** Tibás S. J. **L.P:** Dir: J. F. Lafuente.
20) **R. Monumental,** Pto. Limon. **L.P:** Dir: L. Pintos.
21) **R. Fides,** Apt. 1933, San José. **L.P:** Dir: P. A. Troyo. **D.Prgr:** 11.00–04.15. **N:** 17.00. **Ann:** "TIAC, R. Fides, Emisora Católica de la Iglesia de Costa Rica".
22) **R. Monumental,** Puntarenas. (Apt. 800, San José).
23) **R. Columbia,** Apt. 708, San José. **L.P:** Dir: C. Alfaro.
24) **Monumental Canal Dos,** Ci. Quesada.
25) **R. Victoria,** Cartago. **L.P:** Dir: R. Castro.
26) **Columbia Canal 4,** Nicoya. **L.P:** C. Alfaro.
27) **R. Emmaus,** San Vito. **L.P:** Dir. Gen: C. H. Rodriguez Q. **D.Prgr:** 11.50–03.15.
28) **R. Libertad,** Apt. 4075, San José. **L.P:** Dir: S. Berúdez.
29) **R. Columbia,** Liberia. **L.P:** Dir: H. Reuben A.
30) **R. Sideral,** San Rámon. **L.P:** Dir: O. Acosta C.
31) **R. Satelite,** San Isidro. **L.P:** Dir: V. M. Viquez.
32) **R. Cariari,** Limón. **L.P:** Dir: L. Grau V.
33) **R. Sinai,** San Isidro del General. **L.P:** Dir: P. A. Coto.
34) **R. Golfito,** Puerto Golfito. **L.P:** Dir: M. A. Muñez. V. by letter.
35) **R. San Carlos,** Apt. 46, Quesada, San Carlos. **L.P:** Dir: M. Valle. **D.Prgr:** 11.00–04.00. **V.** by letter. Recordings accepted.
36) **R. Hispania,** Cartago. **L.P:** Dir: C. Alfaro.
37) **R. Turrialba,** Turrialba. **L.P:** Dir: H. Saborio B.
38) **R. Meterológico,** Minst. Agricultura, San José.
39) **R. Lyra,** Palmares. **L.P:** Dir: A. Céspedes A.
40) **La Voz del Costa Rica,** San José. **L.P:** Dir: A. Céspedes A.

## CUBA

**L.T:** GMT – 5h – **Pr.L:** Spnaish.

**MINISTERIO DE COMUNICACIONES,**
**Direccion General de Telecomunicationes.**
**ADDR:** Plaza de la Revolúción "José Marti", La Habana.

**INSTITUTO CUBANO DE RADIODIFUSION**
Edif. Radiocentro, Ly 23, Vedado, Habano.

**Medium Waves: Call: CM--.**

| Call | kHz | kW | Loaction |
|---|---|---|---|
| 1) AN | 550 | 30 | P. del Rio |
| 1) – | 560 | 1 | Las Mercedes |
| 1) HI | 570 | 10 | Sta. Clara |
| 1) JM | 580 | 0.5 | C. de Avila |
| 1) W | 590 | 150 | La Habana |
| 2) – | 590 | 5 | Baracoa |
| 1) KV | 600 | 150 | Holguín |
| 1) – | 600 | 1 | Trinidad |
| 3) HQ | 630 | 60 | Sta. Clara |
| 3) KU | 630 | 2 | Santiago |
| 3) Q | 640 | 50 | La Habana |
| 4) HG | 660 | 1 | Sta. Clara |
| 4) AF | 670 | 1 | P. del Río |
| 4) KP | 670 | 50 | Holguín |
| 4) HN | 680 | 1 | Cienfuegos |
| 4) DB | 680 | 1 | Santiago |
| 4) BC | 690 | 50 | La Habana |
| 4) JT | 700 | 1 | C. de Avila |
| 1) GN | 720 | 30 | Colón |
| 3) KJ | 730 | 10 | Holguín |
| 3) JL | 740 | 10 | Camaguey |
| 3) AQ | 740 | 1 | P. de Río |
| 5) DC | 760 | 10 | La Habana |
| 3) JS | 760 | 1 | C. de Avila |
| 2) DC | 770 | 10 | Holguín |
| 1) JN | 780 | 1 | Cameguey |
| 6) CH | 790 | 10 | La Habana |
| 5) KL | 800 | 2 | Santiago |
| 4) JE | 810 | 1 | Camaguey |
| 7) CA | 830 | 10 | La Habana |
| 8) HW | 840 | 1 | Sta. Clara |
| 2) KC | 850 | 2 | Santiago |
| 9) BL | 860 | 1 | La Habana |
| 10) JY | 860 | 1 | C. de Avila |
| 1) DN | 870 | 10 | Guantán. |
| 11) JB | 880 | 1 | Camaguey |
| 11) AG | 880 | 1 | Consolación del Sur |
| 11) HD | 890 | 1 | Sta. Clara |
| 11) DZ | 890 | 0.25 | Santiago |
| 3) JV | 900 | 1 | C. de Avila |
| 11) BF | 910 | 10 | La Habana |
| 12) AS | 920 | 0.25 | P. del Río |
| 11) HB | 920 | 1 | S. Spiritus |
| 11) GX | 930 | 1 | Matanzas |
| 1) KN | 930 | 1 | Santiago |
| 2) DJ | 950 | 0.25 | Guantánamo |
| 8) HE | 950 | 0.25 | Fomento |
| 5) GL | 959 | 0.25 | Matanzas |
| 13) CK | 980 | 5 | La Habana |

| Call | kHz | kW | Location |
|---|---|---|---|
| 14) HT | 990 | 1 | S. Spiritus |
| 10) FA | 1000 | 1 | Camaguey |
| 11) KM | 1012 | 5 | Holguín |
| 15) BN | 1020 | 0.25 | Nueva Gerona |
| 3) DW | 1030 | 0.25 | Guantánamo |
| 12) AC | 1030 | 0.25 | Cristóbal |
| 16) KW | 1040 | 0.25 | Santiago |
| 17) BQ | 1060 | 5 | La Habana |
| 18) HS | 1080 | 0.1 | Caibarién |
| 2) DD | 1090 | 0.25 | Las Mercedes |
| 19) HU | 1100 | 0.5 | Cienfuegos |
| 20) DL | 1120 | 1 | Holguín |
| 11) HA | 1130 | 1 | St. Clara |
| 21) JK | 1140 | 0.5 | Camaguey |
| 22) JP | 1190 | 0.5 | C. de Avila |
| 5) KD | 1200 | 1 | Holguín |
| 5) HK | 1210 | 1 | Cruces |
| 23) GY | 1220 | 5 | Perico |
| 24) AD | 1230 | 0.25 | Artemisa |
| 25) JX | 1230 | 0.25 | Morón |
| 23) GW | 1240 | 0.25 | Matanzas |
| 2) KE | 1240 | 0.25 | V. de la Tunas |
| 5) KA | 1250 | 0.25 | Guantánamo |
| 26) HP | 1250 | 0.25 | Placetas |
| 5) CI | 1260 | 5 | La Habana |
| 5) DE | 1260 | 0.25 | Bayamo |
| 5) JG | 1270 | 1 | Camaguey |
| 5) DP | 1280 | 0.25 | V. de las Tunas |
| 5) HM | 1280 | 1 | Sta. Clara |
| 27) KF | 1292 | 0.25 | Guantán. |
| 28) JQ | 1300 | 1 | Nuevitas |
| 2) DO | 1310 | 0.25 | Banas |
| 5) AL | 1330 | 0.25 | P. del Río |
| 5) GU | 1340 | 0.25 | Colón |
| 29) KY | 1350 | 0.25 | Pto. Padre |
| 30) BG | 1360 | 0.25 | La Habana |
| 31) KX | 1390 | 0.25 | Bayamo |
| 32) DX | 1430 | 0.25 | Baracoa |
| 33) KZ | 1430 | 0.25 | Palma Soriano |
| 34) CG | 1460 | 0.25 | Marianao |
| 35) GE | 1470 | 1 | Cárdenas |
| 36) KT | 1520 | 1 | V. de las Tunas |
| 37) DV | 1550 | 0.25 | Santiago |
| 5) GB | 1560 | 0.25 | Cárdenas |
| 38) DF | 1590 | 0.25 | Manzanillo |

1) **R. Rebelde,** Calle LO 216 e 23 y 25, Vedado, La Habana. **Ann:** "Aqui R. Rebelde, desde La Habana, Cuba, Territorio Libre de América" – **D.Prgr:** 10.00–05.00.
2) **R. Cadena Provincial.**
3) **R. CMQ,** Calle M esq. a 23, Vedado, La Habana. **Ann:** "CMQ, desde La Habana, Cuba, Territorio Libre de América". **D.Prgr:** 10.30–05.00.
4) **R. Progreso,** Adva. Menocal 105, La Habana. **Ann:** "R. Progreso, Cadena Nacional, La Onda de la Alegria". **D.Prgr.:** 10.30–05.00. **English Prgr:** "R. Free Dixie" directed to Negroes in the Southern US 05.00–06.00 (once weekly).
5) **R. Reloj Nacional,** Edif. Radiocentro Calle 23 258e/Ly M, Vedado, La Habana. **D.Prgr:** 24 h; Continuous prgr, of N, under rhythm of clock ticks every second; Time every min.
6) **R. Cadena Habana.**
7) **R. CMCA,** Edif. "N", calle N esq. a 23, Vedado, La Habana, **D. Prgr. in English** 11.00–06.00 exc. for bilingual news. **Ann:** "CMCA, The Friendly Voice of Cuba, broadc. on 830kc, from Havana, Cuba, Free Territory of America."
8) **R. Doblevé** – 9) **Presentando Músuca** – 10) **Cadena Agramonte.**
11) **R. Musical Nacional,** Calle M esq. a 23, Vedado, La Habana (classical music only).
12) **R. Cadena Provincial de Pinar del Rio.**
13) **El Periódico del Aire** – 14) **R. Sancti Spiritus.**
15) **La Voz de Isla de Pinos** – 16) **R. Frequencia Popular.**
17) **R. Enciclopedia Popular** – 18) **R. Caibarién.**
19) **Radiotiempo** – 20) **R. Angula** – 21) **R. CMJK.**
22) **La Voz de Ciego de Avila** – 23) **R. Veintiseis** (26).
24) **R. Artemisa** – 25) **R. Móron** – 26) **R. Centro.**
27) **R. Guantánamo** – 28) **R. Nuevitas** – 29) **R. Puerto Padre.**
30) **R. Popular** – 31) **R. Bayamo** – 32) **R. Baracoa** – 33) **R. Palma Soriano.** — 34) **R. Marianao** – 35) **R. Ciudad Bandera.**
36) **R. Victoria de las Tunas** – 37) **R. Santiago de Cuba** – 38) **R. Guacanayabo.**

**La Voz de Cuba** is a complementary early-morning prgr. of music, news and commentary. Is aired over a network of some of Cuba's high-powered st's and generally operates 05.00–10.30.

### RADIO HABANA CUBA

**ADDR:** Apt. 7026, Habana. **Cable:** Radihabana — **L.P:** Head of Foreign Relations: M. Montero Triana.
**STATIONS** (G.C: 82.30W/23.00N): 5 x 100kW, 9 x 240kW tr's

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 6060 | 49.50 | 9655 | 31.07 | 11865 | 25.28 | 15270 | 19.65 |
| 6135 | 48.90 | 11735 | 25.56 | 11930 | 25.15 | 15340 | 19.56 |
| 9525 | 31.50 | 11760 | 25.51 | 15230 | 19.70 | 17715 | 19.63 |
| 9550 | 31.41 | | | | | | |

**Schedule 6/11/67-4/3/68**

I=No. Europe; II=America; III=So. America; IV=Mediterranean; V=Europe; VI=Caribbean.

| Arabic | Area | kHz | French | Area | kHz |
|---|---|---|---|---|---|
| 08.00-08.30 | IV | 9525 | 09.30-10.00 | IV | 9525 |
| 10.00-10.30 | IV | 9525 | 17.00-18.10 | IV | 11865 |
| 18.10-18.55 | IV | 11865 | | | 11930 |
| | | 11930 | 21.10-21.40 | IV | 11865 |
| 20.30-21.10 | IV | 11865 | | | 11930 |
| | | 11930 | 19.00-20.10 | V | 15230 |
| **Creole** | | | 03.00-03.30 | II | 6135 |
| 11.00-12.00 | VI | 6060 | **Guarani** | | |
| 02.00-03.00 | VI | 6060 | 22.00-23.00 | III | 15270 |
| **English** | | | **Quechua** | | |
| 20.10-21.40 | I | 15230 | 22.00-23.00 | III | 15230 |
| 20.50-21.50 | II/III | 11760 | **Portuguese** | | |
| | | 15270 | 09.00-10.00 | III | 9655 |
| 01.00-04.50 | II/III | 9525 | 23.00-24.00 | III | 15270 |
| 01.00-06.00 | II/III | 11760 | **Spanish** | | |
| 03.30-06.00 | II/III | 6135 | 06.30-07.30 | IV | 9525 |
| 06.30-08.00 | II/III | 9655 | 08.30-09.30 | IV | 9525 |
| **French** | | | 10.30-10.45 | IV | 9525 |
| 07.30-08.00 | IV | 9525 | 18.55-20.30 | IV | 11865 11930 |

**Spanish to the Americas:** 11.00-16.45 on 6135, 11735, 11760, 15270, 15340, 17715kHz; 16.45-18.30 on 6135, 11760, 15270kHz; 18.30-20.50 on 11760, 15270kHz; 22.00-23.00 on 6060, 6135, 9525, 9550, 15340kHz; 23.00-24.00 on 6060, 6135, 9525, 9550, 15230, 15340 kHz: 00.00-00.50 on 6060, 6135, 9525, 9550, 15230, 15270, 15340kHz; 00.50-02.00 on 6060, 6135, 9550, 15230, 15270, 15340 kHz; 02.00-03.00 on 6135, 9550, 15230, 15270, 15340kHz; 03.00-06.00 on 6060, 9550, 9655, 15230, 15340kHz.
**ANN:** Sp: "Esta es R. Habana Cuba, transmitiendo desde Cuba, Territorio libre de América" — **V.** by QSL-card and letter.

## DOMINICAN REPUBLIC

**L.T:** GMT – 5h (GMT – 4h during a short "winter"period) – **Pr.L:** Spanish.

### DIRECCION GENERAL DE TELECOMUNICACIONES

**ADDR:** Santo Domingo. **Te:** 22244. **Cable:** Telecom – **L.P:** Dir. Gen: L. M. Cepeda.
**STATIONS:** In Santo Domingo approx. 11.00–05.00; other cities 11.00–03.00 (exc. where indicated). All comm.
**Short Waves:** Call: HI--. *=inactive. P= Puerto. Sto.=Santo.

| Call | kHz | m | kW | Name and h of tr. |
|---|---|---|---|---|
| 1) AU | *3205 | 93.60 | 0.5 | La Voz de la Libertad. P. Plata |
| 2) MP | 3210 | 93.44 | 0.5 | R. Ocoa, San José de Ocoa: 12.00–03.00 |
| 3) DB | *3235 | 92.74 | 0.5 | R. Libertad, Santiago |
| 4) AF | *3245 | 92.45 | 0.5 | R. Monte Cristi |
| 5) RM | 3265 | 91.87 | 1 | R. Sol, Higuey: 11.00–03.00 |
| 6) AA | *3315 | 90.50 | 1 | R. Ritmos, Santiago |
| 7) AS | *3345 | 89.68 | 1 | Onda Musical, Sto. Domingo: irr. |
| 8) BD | 3355 | 89.42 | 0.25 | La Voz de la Romana, La Romana: 11.00–03.00 |
| 9) RL | 3365 | 89.15 | 1 | R. Exitos, Santiago: 12.00–05.00 |
| 10) AD | 3375 | 88 89 | 1 | R San Juan: 10 45–03.00 |
| 11) DA | *3385 | 88.63 | 1 | R. Hit Musical, Santiago |
| 12) AZ | *3395 | 88.37 | 1 | R. Santiago: irr. |
| 7) AS | 4780 | 62.76 | 1 | Onda Musical, Sto. Domingo: 11.00–05.00 |
| 13) FF | *4840 | 61.98 | 1 | La Voz del Atlantico, P. Plata |
| 14) JP | 4880 | 61.48 | 1 | R. Comercial, Sto. Domingo: 11.00–05.00 |
| 15) N | 4910 | 61.10 | 1 | R. HIN, Sto. Domingo: 11.00–05.00 |
| 16) BE | 4940 | 60.73 | 1 | R. Mil, Sto. Domingo: 11.00–05.00 |
| 17) CN | 4960 | 60.48 | 1 | R. Antillas, Sto. Domingo: 11.00–05.00 |
| 18) CK | *4980 | 60.25 | 0.25 | Ondas del Yague, Santiago |
| 19) MS | 5010 | 59.88 | 0.8 | R. Cristal: 11.00–05.00 |
| 20) BB | 5030 | 59.64 | 1 | La Voz del Papagayo, La Romana: 11.00–03.00 |
| 12) AZ | *6060 | 49.50 | 1 | R. Santiago |
| 3) DB | 6075 | 49.38 | 0.5 | R. Libertad, Santiago: 11.00–01.00 |
| 21) SD | 6090 | 49.26 | 7.5 | R. Televisión Dominicana: 11.00–05.00 |
| 1) AU | 6185 | 48.50 | 0.1 | La Voz de la Libertad, P. Plata: 11.00–03.00 |
| 21) SD | 9505 | 31.56 | 50 | R. Televisión Dominicana: 11.00–05.00 |

# Dominican Republic

**Medium Waves:** Call: HI--. °=Short Wave.

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 22) CM | 540 | 5/1 | 14) JP | °1002 | 10 | 55) BN | 1400 | 1 |
| 6) AA | ° 560 | 1 | 40) CB | 1050 | 0.5 | 21) SD | °1400 | 1 |
| 19) MS | °570 | 1 | 41) BI | 1070 | 1 | 56) AL | 1400 | 1 |
| 23) AB | 590 | 0.5 | 42) MC | 1100 | 0.5 | 57) AE | 1420 | 1 |
| 24) RD | 600 | 0.25 | 43) MH | 1110 | 0.5 | 58) – | 1430 | 1 |
| 21) SD | °620 | 10 | 17) CN | °1120 | 1 | 59) FS | 1440 | 1 |
| 4) AF | °630 | 1 | 9) RL | °1130 | 1 | 10) AD | °1440 | 1 |
| 25) AT | 650 | 5 | 7) AS | °1150 | 1 | 60) BO | 1450 | 1 |
| 26) AM | 660 | 2 | 44) DE | 1160 | 0.5 | 60) BA | 1450 | 1 |
| 27) AW | 690 | 5 | 16) BE | °1180 | 10 | 61) AR | 1450 | 0.5 |
| 28) DC | 700 | 1 | 45) DV | 1200 | 10 | 62) AC | 1450 | 0.5 |
| 29) AQ | 720 | 1 | 46) CJ | 1210 | 1/0.1 | 63) HG | 1450 | 1 |
| 30) Z | 730 | 1 | 15) N | °1220 | 1 | 64) RV | 1450 | 1 |
| 31) MD | 760 | 0.5 | 1) AU | °1240 | 0.5 | 65) AN | 1460 | 0.5 |
| 32) L | 790 | 5 | 47) CV | 1240 | 0.7 | 66) AK | 1460 | 0.5 |
| 12) AZ | °820 | 5 | 48) BC | 1250 | 5 | 67) AG | 1485 | 0.5 |
| 21) SD | °860 | 5 | 49) T | 1260 | 0.25 | 68) AH | 1490 | 0.5 |
| 33) BG | 870 | 1 | 50) VM | 1290 | 1 | 69) AP | 1490 | 0.25 |
| 34) OR | 880 | 1 | 51) KQ | 1300 | 0.5 | 70) KF | 1490 | 1 |
| 35) PJ | 890 | 1 | 52) AV | 1310 | 0.5 | 71) PS | 1510 | 1 |
| 36) BA | 910 | 0.25 | 53) HD | 1320 | 1 | 72) BL | 1530 | 1 |
| 18) CK | °930 | 2 | 3) DB | °1330 | 1 | 73) FB | 1560 | 1/0.25 |
| 37) G | 950 | 1 | 54) BZ | 1340 | 1 | 74) WJ | 1580 | 0.5 |
| 13) F | °960 | 5 | 30) Z | 1350 | 1 | 75) AJ | 1590 | 1 |
| 38) SA | 980 | 0.75 | 21) SD | °1360 | 1 | 76) BS | 1600 | 1 |
| 39) DL | 1000 | 0.5 | 22) SD | °1370 | 1 | 11) DA | °1600 | 1 |

Abbrev: R.D.=Republica Dominicana.

**Short Waves:**

1) Apt. 244. P. Plata. **Te:** 551. **L.P:** Dir: R. J. Rojas. Dir Tec: L. José E. **D.Prgr:** N: 11.00, 17.30. **FM:** 98.2MHz. **Ann:** "Transmite la V oz de la Libertad desde Puerto Plata norte de la República Dominicana". V. by letter. Recordings accepted.

2) Ca. Sánchez esq. 12 de Julio, San José de Ocoa.

3) Apt. 112, Santiago. **L.P:** Dir: A. Vanderhorst. **Te:** 2924. **Ann:** "Desde Santiago en la R.D. transmite R. Libertad, Sintonia perfecta en todo el país". V. by letter or QSL-card.

4) Apt. 52, Monte Cristi. **Te:** 161. **L.P:** Dir: R. O. Moscoso. **D.Prgr:** N: 17.00, 00.00 **FM:** 92MHz 0.25kW. V. by letter. Recordings accepted.

5) Apt. 1313, Higuey. **Te:** 43. **L.P:** Dir: R. A. Morales. Dir. Tec: V. Donastorg & B. Sánchez. Dir. Prgr.: F. Aponte M. **D.Prgr:** N: 11.00. **Ann:** "Transmite R. Sol, en el este la mejor desde el Hotel el Naranjo en Higuey, cuidad del futuro, en la R.D." V. by letter. Recordings accepted.

6) Apt. 581, Santiago. **Te:** 2001 **L.P:** Dir: J. W. Streese. **Ann:** "Enfocando al futuro, y en nueva dimension radiofonica R. Ritmos, 560kc onda larga y 95.1Mc FM". (FM: 0.25kW).

7) Palo Hincado 48, Sto. Domingo. **Te:** 2-6129. **L.P:** Dir: M. Báez. **FM:** 92MHz 0.05kW. V. by letter.

8) Castillo Marquez 28, altos, La Romana. **Te:** 98. **L.P:** Dir: N. Martiñez. **Ann:** "Transmite HIBD, La Voz de La Romana, desde La Romana, R.D.".

9) 16 de Agosto 119, Santiago. **Te:** 4318. **L.P:** Dir: D. de la Rosa. **FM:** 90MHz 50 kW. V. by letter.

10) Apt. 88. San Juan. **Te:** 233. **L.P:** Dir: Dr. L. P. González.

11) 30 de Marzo 35, Santiago. **Te:** 3246. **Cable:** Maja. **L.P:** Dir. Gen: M. A. Jorge A. Dir Tec: F. Rafael B. **D.Prgr:** N: 12.00, 22.00 **Ann:** "H-I-D-A, R. Hit Musical, en Santiago de los Caballeros, R.D. transmitiendo en los 1600 y 3385kc". V. by QSL-card. Recordings accepted.

12) Apt. 282, Santiago. **Te:** 3300. **L.P:** Dir: A. Bojas B. Dir. Tec: L. Felipe Moscoso. **D.Prgr:** 11.00–05.00. **N:** 17.35, 03.05. **FM:** 89.2MHz. 500W. **Ann:** "Circuito de Emisoras de R. Santiago, ondas corta y larga, 89.2MHz, en Santiago, R.D." V. by QSL-card. Re. in Sp, E.

13) Ca. Comercio 21, P. Plata. **Te:** 567. **L.P:** Dir: D. Brugal Alfau.

14) Apt. 1322, Sto. Domingo. **Te:** 21144. **L.P:** Dir: J. Nova R. Dir. Tec: H. Cambero. **FM:** 95MHz 0.5kW. V. by QSL-card or letter.

15) Apt. 1220, Sto. Domingo. Te: 3-1025. L.P : Dir Adm: P. P. Bonilla P. Dir.: Tec: J. Salazar. **D.Prgr:** N: 11.00, 00.35. **Ann:** "Desde Sto. Domingo, Capital de la R.D. transmite R.HIN". **FM:** 91MHz. V. by letter. Re. in Sp, E.

16) Apt. 1372, Sto. Domingo, **L.P:** Dir: J. Jimenez M. **FM:** 103/172.4 MHz (0.25kW/15W). **Ann:** "R.Mil, la Primera". V. by QSL-card.

17) Ca. Mercedes 102, Sto. Domingo. **Te:** 9-8728. **Cable:** Mazelba. **L.P:** F. Casado. Dir Tec: A. Infante. **D.Prgr:** N (W only): 11.30, 17.30, 23.00. **Ann:** "Esta es R. Antillas, con Estudios en el Corazon de Sto. Domingo, Capital de la R.D". V. by letter.

18) Ca. 30 de Marzo 15, Santiago. **Te:** 2141. **L.P:** Dir: R. Candelario L. Dir Tec: L Silverio. **D.Prgr:** N: 11.00, 17.00, 23.00. **Ann:** "Transmite Ondas del Yaque, desde Santiago de los Caballeros en la R.D." V. by QSL-card. Recordings accepted.

19) Apt. 1322, Sto. Domingo. **Te:** 2-1577. **L.P:** Dir: N. Alfonso. Dir. Tec: H. Cambero. V. all correct reports verified. Recordings accepted.

20) Casa Puerto Rico, La Romana. **Te:** 135. **L.P:** Dir: M. Romero.

21) Ca. Dr. Tejada Florentino 8, Sto. Domingo. **Te:** 9-2120. **Cable:** Dominicana. **L.P:** Dir. Gen: R. L. Perello. **D.Prgr:** N: 11.00, 15.00, 19.00, 21.00, 03.30. **Ann:** "R. Televisión Dominicana, desde Sto. Domingo, Capital de la R.D". V. by QSL-card. **Relay st's:** 1270kHz Santiago, 1360kHz La Vega, 1310kHz El Seibo, 1370 kHz Barahona, 1400kHz San Juan de la Maguana. **FM:** 96MHz (Constanza) 0.25 kW 100MHz (Sto. Domingo) 0.25kW.

**Medium Waves:**

22) **R. ABC,** Ca. Anibal Espinosa 60, Villas Agricolas, Sto. Domingo. **L.P:** Dir: H. Pérez. **FM:** 105MHz.

23) **R. Isabel Torres,** Ca. John F. Kennedy, 115 P. Plata. **L.P:** Dir: Lic. J. Mendez.

24) **R. Unica,** Castillo.

25) **R. Universal,** Ca. J. Perdomo 34, Sto. Domingo. **L.P:** Dir: E. A. Perez. **FM:** 98MHz. **D.Prgr:** 11.00–05.00

26) **R. Quisqueyana,** Ca. 30 de Marzo 47, Santiago. **Te:** 2540. **L.P:** Dir: M. Cepeda. **D.Prgr:** 12.00–03.00.

27) **R. Guarachita,** Palo Hincado 74, Sto. Domingo. **L.P:** Dir: R. A Aracena **D.Prgr.:** 10.00–05.00. **FM:** 90MHz 1kW.

28) **R. Mao,** 27 de Febrero 71, Valverde. **L.P:** Dir: T. Pujols S.

29) **R. Norte,** Ca. Pedro Fco, Bono 58, Santiago. **L.P:** Dir: R. Hevia.

30) **Broadcasting Nacional,** Apt. 201, Sto. Domingo. **L.P:** Dir. F. Hatton.

31) **R. Tamboril,** Peña. **L.P.:** Dir: A. Dajer B. **D.Prgr:** 11.00–03.00.

32) **La Voz del Tropico,** Apt. 335, Sto. Domingo. **L.P:** Dir: V. Portalatin.

33) **Radiolandia,** Ca. el Sol 30, Santiago. **Te:** 3429. **L.P:** Dir: R. L. Macdúgal. **D.Prgr:** 11.00–03.00.

34) **R. Santa Cruz,** Ca. Duarte 49, Valverde. **D.Prgr:** 10.00–03.00. V. by letter. Recordings accepted. **F.Pl:** Increase power.

35) **R. Continental,** Ca. Amado Garcia 77-A, Sto. Domingo. **L.P:** Dir: P. Justiano P. **D.Prgr:** 10.30–05.00.

36) **R. Reloj de Emisoras Unidas,** Edif. Ocaña, Luperón 17, Sto. Domingo. **L.P:** Dir: P. J. Santana. **D.Prgr:** 12.00–03.00.

37) **R. Dif. HIG,** Av. Mella 144, Sto. Domingo. **L.P:** Dir: A. Cordero.

38) **R. Cibao,** Apt. 141, Santiago. **L.P:** Dir: C. Pou.

39) **R. Novedades,** Ca. Restauración 21, La Vega. **Owner:** N. Grullón A. **D.Prgr:** 12.00–03.00.

40) **R. HICB,** 30 de Marzo 54, Santiago. **L.P:** Dir: J. L. Sánchez.

41) **HIBI Radio,** Apt. 201, San Francisco de Macoris. **L.P:** Dir: J. A. Gonzalez. **D.Prgr:** W 10.00–03.00 (comm), Sun 13.30–01.00 (non-comm).

42) **R. Programas Quisqueya,** Edif. Jaar, Sto Domingo. **L.P:** Dir: V. M. Furment.

43) **R. Real,** Ca. J. Rodriguez 2, La Vega. **L.P:** Dir: F. Holguin. **D.Prgr:** 12.00–03.00.

44) **R. Tiempo,** Ca. Capotillo, Cotui, La Mata. **L.P:** Dir: R. A. Almonól.

45) **R. Santa Maria,** Sto. Cerro, La Vega. **L.P:** Dir: R. P. Wenceslao C. **D.Prgr:** W 10.00—03.00 (comm); Sun 12.30–14.00, 16.00–20.30 (rel. & cultural). **F.Pl:** On 560kHz with 10kW.

46) **R. Merengue,** Apt. 47, San Francisco de Macoris. **L.P:** Dir: A. Mena. **D.Prgr:** W 11.30–00.30, Sun 12.00–24.00.

47) **R. Barahona,** Apt. 25, Barahona. **L.P:** Dir: R. Lama. **D.Prgr:** 11.00–03.00.

48) **La Voz del Progreso,** Apt. 264, San Francisco de Macoris. **L.P:** Dir: J. Raposo P. **D.Prgr:** W 11.00–00.30, Sun 12.00—03.00.

49) **R. Tropical,** Ca. Paris 116, Sto. Domingo. **L.P:** Dir: C. Valoy.

50) **R. Bonao,** Ca. Duarte Esq. Mella, Bonao. **L.P:** Dir: J. Aquino T.

51) **R. Radio,** Apt. 209, El Conde, Sto. Domingo. **L.P:** Dir: R. A. Martinez G.

52) **R. Bani,** Ca. U. Guerrero 24, Oeste, Bani. **L. P:** Dir: M. E. Bello.

53) **La Voz de Oriente,** Ca. Duarte 30, San Pedro de Macoris. **L.P:** Dir: F. M. Donastorg.

54) **R. Centro,** Apt. 65, San Juan de la Maguana. **L.P:** Dir: I. A. Ramirez. **D.Prgr:** 11.00–03.00. **FM:** 100.1MHz.

55) **R. Puerto Plata,** Apt. 183, Puerto Plata. **L.P:** Dir: J. A. Martinez. **D.Prgr:** 11.00–03.00. V. by Letter. Recordings accepted.

56) **Ondas del Valle,** Apt. 102, La Vega. **L.P:** Dir: D. Valerio. **D.Prgr:** W 12.00–03.00, Sun 14.00–23.00.

57) **R. Tricolor,** Ca. 18 No. 158, Sto. Domingo. **L.P:** Dir: G. Guerrero.

58) **R. Momento,** Apt. 203, La Vega. **L.P:** Dir: G. Sánchez G.

59) **R. Bahia,** Nagua. **L.P:** Dir: J. Santos.

60) **R. Constanza,** Ca. Duarte Esq. Salomé Ureña de Henriquez, Constanza. **L.P:** Dir: R. Marún T.

61) **R. San Cristobal,** Ca. Modesto Diaz 5, San Cristóbal. **L.P:** Dir: V. Cabreja. **D.Prgr:** W 12.00–03.00.

62) **R. Dif. HIAC,** Ca. G. R. Cabral 11, Salcedo.

63) **R. Beler,** Barrio Mejora miento Social, Dajabón. **L.P:** Owner: A. Garcia.

64) **R. Caribe,** Ca Independencia 59, San Pedro de Macoris. **L.P:** Dir: R. Vallenilla.

65) **R. Magua,** Apt. 304, Mato Mayor. **L.P:** Dir: E. F. Astacio.

66) **R. Ronda,** Carretera de Mendoza, Sto. Domingo. **L.P:** Dir: M. A. Fiallo C.

67) **R. Azul,** Ca. San Luis 25, Santiago. **Te:** 4062. **L.P:** Dir: L. Atiles.

68) **R. Sensacional,** Ca. Yolanda Guzmán 183, Sto. Domingo.

69) **R. Gabino,** Ca. Caonabo 81, Moca. **L.P:** Dir: G. Nuñez.

70) **R. Azua,** Ca. Francisco del Rosario Sánchez 6, Azua. **L.P:** Dir: J. A. Féliz A.

71) **R. Nagua,** Nagua. **L.P:** Dir: S. Collado G.
72) **R. Pueblo,** Centro de los Heroes, Sto. Domingo. **L.P:** Dir: Dr. Tena R.
73) **R. El Mundo,** Coney Island, Centro de los Heroes. **L.P:** Dir: L. R. Sánchez N.
74) **R. Samaná,** Apt. 124, Samaná. **L.P:** Dir F. del Toro.
75) **R. Union,** Apt, 410, Sto. Domingo. **L.P:** Dir: R. Peralta P.
76) **R. San Pedro,** Av. F. Dominguez C, San Pedro de Macoris. **L.P:** Dir: B. A. de Soto.

## EL SALVADOR

**L.T:** GMT – 6h – **Pr.L:** Spanish.

**GOVERNMENT DEPT. FOR BROADCASTING**
**ADDR:** Ministerio del Interior, Palacio Nacional, San Salvador.
**L.P:** Dir: Dr. F. Armando Arias.

**ASOCIACION SALVADORENA EMPRESARIOS RADIODIFUSION (ASDER)**
**ADDR:** Apt. Postal 210, San Salvador. **L.P:** Pres. A. Rivas Cañas.
**STATIONS:** All st's comm. exc. R. Nacional, 500 Cultural.
**Short Waves:** Call: YS–

| | Call | kHz | m | kW | Name |
|---|---|---|---|---|---|
| 1) | S | 6010 | 49.92 | 5 | R. Nacional de El Salvador, San |
| 1) | S | 9555 | 31.40 | 5 | Salvador: 12.00–04.15. |

**Medium Waves:** Call: YS–; °=Short Wave:

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 2) FG | 550 | 0.5 | 20) F | 840 | 5 | 38) RF | 1100 | 1 |
| 3) ABC | 560 | 5 | 21) RC | 860 | 1 | 39) OA | 1120 | 1 |
| 4) EB | 580 | 10 | 22) AR | 870 | 1 | 40) G | 1130 | 0.5 |
| 5) NK | 600 | 5 | 23) CD | 880 | 0.5 | 41) T | 1140 | 3 |
| 6) LN | 630 | 10 | 24) LA | 890 | 1 | 42) CF | 1150 | 1 |
| 1) S | °655 | 10 | 25) QJ | 910 | 10 | 43) CB | 1175 | 0.5 |
| 7) QR | 700 | 5 | 26) W | 930 | 1 | 44) DL | 1200 | 1 |
| 8) RS | 710 | 1 | 27) TG | 940 | 1 | 45) EW | 1220 | 3 |
| 9) RA | 720 | 5 | 28) GH | 950 | 1 | 46) I | 1250 | 3 |
| 10) RU | 720 | 1 | 29) TW | 960 | 0.25 | 47) QZ | 1270 | 0.5 |
| 11) R | 730 | 10 | 30) MS | 970 | 0.25 | 48) V | 1280 | 1 |
| 12) RM | 740 | 5 | 31) AN | 980 | 1 | 49) HX | 1300 | 1 |
| 13) KLA | 750 | 10 | 32) TA | 990 | 5 | 50) HQ | 1330 | 5 |
| 14) KL | 760 | 10 | 33) C | 1015 | 10 | 51) XW | 1340 | 1 |
| 15) KLB | 770 | 5 | 34) U | °1050 | 10 | 52) MQ | 1370 | 0.5 |
| 16) AX | 800 | 10 | 35) DM | 1080 | 5 | 53) JI | 1400 | 1.5 |
| 17) FA | 810 | 1 | 36) EM | 1080 | 1 | 54) HF | 1430 | 0.5 |
| 18) DR | 820 | 5 | 37) MG | 1090 | 1 | 55) ON | 1470 | 2 |
| 19) PX | 830 | 4 | | | | | | |

**Circuito YSR (Comm.):** St's 8), 9), 10), 11) – **Addr:** Apt. Postal 720, San Salvador. **Te:** 3250. **Cable:** Yesere. **L.P:** Dir: B. Eserski. **D.Prgr:** All st's 12.00–06.00. **Ann:** "Circuito YSR, la emisora popular". **V.** by QSL-card and letter. Re. in Sp, E. Prgr. schedule free.
**Radio Televisión YSU,** S.A. (Comm.): St's 3), 7) — **Addr:** Apt. Postal 1050, San Salvador. **Te:** 1050. **Cable:** Yusa. **D.Prgr:** All st's 12.00-06.00. **N:** 03.30, 05.50+short N. every 15 min. **Ann:** "En El Salvador, Centro América transmite R. Cadena YSU". **V.** by QSL-card and letter. Re. in Sp, E — **Cadena Radia Salvadoreña, S.A:** St's 4, 18, 36) — **Addr:** Edif. Torre Lopez, 3° piso, San Salvador. **Te:** 3331. **Cable:** Carasal. **D.Prgr:** All st's 12.00-06.00. **N: Every 15 min's.**
**Radio Cadena YSKL:** St's 13), 15), 42), – **Addr:** Box 1329, San Salvador. **Te:** 6830. **D.Prgr:** YSKL 24 h. Other st's: 12.00–17.30. **N:** every 15 min.

**Short Waves:**
1) 2a Avenida Sur 113, San Salvador. **Te:** 4376. **Cable:** "Almacus". **L.P:** Dir. Gen: A. Parada h. Dir of Prod: A. Alfonso M. Dir. Tec: A. Hernandez. **D.Prgr: N:** 18.45, 21.45, 00.00, 04.00. Also short news every 15 min's. **Ann:** "Esta es YSS R. Nacional de El Salvador, transmite YSS R. Nacional de El Salvador, Centroamérica" or "Esta es YSS Alma Cuscutleca", la primera emisora Fundada en Centroamérica". **Int-Sig:** Four notes on Xylophone. **V.** by QSL-card and letter. Prgr. schedule free. Recordings accepted.

**Medium Waves: D.Prgr:** Approx. 12.00–05.00.
2) **R. Variedades,** 3a Ca. Oriente 19, Sonsonate.
3) **Radiomisora Salvadoreña,** San Miguel.
4) **Cadena Radial Salvadoreña,** (see above).
5) **R. Exitos,** Cra. Planes de Ronderos, San Salvador.
6) **R. 630,** Primera Av. Sur 428, San Salvador.
7) **R. Morazán,** Canton el Nispero, Mejicanos.
8) **Circuito YSR,** Sonsonate.
9) **Circuito YSR,** Santa Ana.
10) **Circuito YSR,** Usulutan.
11) **Circuito YSR,** Colonia Centro América, San Salvador.
12) **Circuito YSR,** Cra. Internacional, San Miguel.
13) **R. Universal,** Colonia España, Santa Fe.
14) **R. Cadena YSKL** (see above).
15) **R. Universal,** San Miguel.
16) **La Voz Panamamericana,** 2a Av. Norte. San Salvador.
17) **R. Lorenzana,** San Vincente.
18) **R. Tropicali** Santa Ana.
19) **R. Pax,** Ciudad Jardin, San Miguel.
20) **R. Vanguardia,** Pasaje Vilanova 114, San Salvador.
21) **R. Tecána,** Cra. Internacional, Santa Ana.
22) **R. Comercial,** 27a Ca. Oriente 229, San Salvador.
23) **R. Dif. YSCD,** Santiago de Maria, Usulutan.
24) **R. Musical,** 4a Ca. Poniente 2, Santa Ana.
25) **Radiopolis,** Ca. Poniente 3038, San Salvador.
26) **R. Santa Ana,** Sta. Ana.
27) **R. Sonora,** Ca. Principal, Cuscatancingo, San Salvador.
28) **R. Minuto,** 9a Ca. Oriente 17, San-Miguel.
29) **R. Centro,** Ca. Oriente, Sonsonate.
30) **R. Centroamericana,** Ca. Poniente, 3038, San Salvador.
31) **La Voz de Los Ausoles,** Ca. Poniente, Ahuachapán.
32) **R. Continental,** Colonia Alfaro, Mejicanos.
33) **R. Internacional,** 29a Ca. Oriente 218, San Salvador.
34) **R. Mil Cincuenta,** Apt. 1050, San Salvador.
35) **Cadena Radial Salvadoreña,** San Miguel.
36) **R. Dif. YSEM,** Planes de Renderos.
37) **La Voz del Espino,** Ahuachapán.
38) **R. Femenina,** Mejicanos.
39) **R. Libertad,** Cúscatciugo, San Salvador.
40) **R. Chaparrastique,** 7a Ca. Oriente 46, San Miguel.
41) **R. El Mundo,** Apt. Postal 210, San Salvador. **Te:** 255538. **Cable:** Yesete. **L.P:** Dir. Gen: Betty Suarez. Dir. Adm: H. Suarez. **Ann:** "Esta es R. El Mundo en 1140kHz en San Salvador, República de El Salvador" or "YST R. El Mundo transmite música y solo tmúsica, porque la música es el lenguaje de las almas". **V.** by letter. Reports welcome.
42) **Ondas Orientales,** Cra. Ci. S. Miguel, La Union.
43) **La Voz del Pacifico,** 3a Ca. Oriente 19, Sonsonate.
44) **La Voz Popular Salvadoreña,** Canton Zacamil, Mejicanos.
45) **R. Popular,** Ca. San Antonio Abad, San Salvador.
46) **R. Reloj,** Edif. Escobar, San Salvador.
47) **R. 1270,** Costado Norte del Campo de Marte, San Miguel.
48) **R. Comercial,** Colonial Sta. Lucia 43B, Santa Ana.
49) **El Sonido de la Musica,** Cantón Delicias del Norte, Cuscatancingo.
50) **R. Progreso,** Apt. 855, San Salvador. **Te:** 252054. **D.Prgr:** 11.00–04.00.
51) **R. San Miguel,** Ruta Militar, San Miguel.
52) **La Voz de las Colinas,** Nueva San Salvador.
53) **La Voz del Litoral,** 4a Av. Norte 5, Usulután.
54) **R. Caribe,** Cojutepeque.
55) **R. Cristal,** Colonia Centro América, San Salvador.

## GUADELOUPE (French West Indies)

**L.T:** GMT – 4h – **Pr.L:** French.

**OFFICE DE RADIODIFF. TELEVISION FRANCAISE (ORTF)**
**ADDR:** B.P. 402, Pointe á Pitre. **Te:** 1320 – B.P. 73, Basse Terre. (Te: 211648). **L.P:** Délégue Reg: F. Jacquemart (for Guadeloupe, Martinique, Guyana). St. Mgr: M. Villeneuve. Chief Tech. Services: E. Angele.
**STATIONS:** Pointe á Pitre 640kHz – Basse Terre 1420kHz 4kW.
**HOME SCE:** 10.30–02.00 – **N:** 10.30 (rel. Paris), 11.00, 11.30, 15.00, 16.00, 17.00, 22.00, 23.00, 24.00 – **ANN:** "Ici Office de R. diff. Télévision Française Basse Terre (or Pointe á Pitre)" – **INT-SIG:** Guitar – **V.** by letter. **Rp – ALF:** 30 frcs.

## GUATEMALA

**L.T:** GMT – 6h – **Pr.L:** Spanish.

**DIRECCION GENERAL DE RADIODIFUSION Y TELEVISION NACIONAL**
**ADDR:** Edif. de la Tipografia Nacional, Ca. 18 de Septiembre 6–72 Zona 1, Guatemala. **Te:** 23318. **Cable:** Tevenac. **L.P:** Dir. Gen: M. Mendoza H.
**STATIONS:** All st's comm. exc. 8), 10), 11) 12), 53) Gov; 1), 2), 3), 4), 7), 9) Educ. **Locations:** Guatemala City exc. where indicated.
**Short Waves:** Call: TG—.

| | Call | kHz | m | kW | Name and Approx. h of tr. |
|---|---|---|---|---|---|
| 1) | RW | 2340 | 128.4 | 0.1 | R. Rev. William R. Woods, Sta. Cruz Barillas: 23.30–02.30. |
| 2) | SC | 2340 | 127.6 | 1 | La Voz de Candelaria, Jaceltenango: 22.45–24.00 |
| 3) | BA | 2360 | 127.1 | 0.75 | R. Maya Barillas, Huehuetenango: 23.30–02.00. |
| 4) | VN | 3360 | 89.29 | 0.2 | La Voz de Nahualá, Nahualá, Sololá: 20.00–02.00. |
| 5) | CH | 3380 | 88.76 | 1 | R. Esc. Radiofonicas, Chortis, Jocotán: 18.00–02.00 |
| 6) | QH | 4872 | 61.58 | 2 | R. Sta. Cruz, Sta. Cruz: 15.00–01.00 |
| 7) | RY | 4920 | 60.98 | 0.15 | La Voz de San Raymundo, S. Raymúndo: 23.00–06.00 |
| 8) | MS | 5070 | 59.17 | 0.3 | R. Nac. Mazatenango. |
| 9) | NA | 5955 | 50.40 | 5 | R. Cultural: 12.00–03.00 |
| 10) | SMA | 6080 | 49.34 | 0.5 | R. Nacional de San Marcos. |
| 11) | QA | 6110 | 49.10 | 0.5 | R. Nac. de Quezaltenango |

| Call | kHz | m | kW | Name and h of tr. |
|---|---|---|---|---|
| 12) WB | 6180 | 48.54 | 10 | La Voz de Guatemala: 12.00–05.00 |
| 13) FP | 6205 | 48.35 | 0.5 | R. Nacional Tikal, Flores Peten: 18.30–20.20, 01.00–04.30 |
| 9) NB | 9668 | 31.03 | 5 | R. Cultural: 03.00–04.00 |
| 12) WA | 9760 | 30.74 | 10 | La Voz de Guatemala |
| 11) QB | 11700 | 25.64 | 0.5 | R. Nac. de Quezaltenango: 13.00–04.00 |
| 12) WA | 15170 | 19.78 | 10 | La Voz de Guatemala |

Medium Waves: Call: TG—; °=Short Wave; *=also FM.

| | Call | kHz | kW | | Call | kHz | kW | | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14) | BOL | 560* | 10 | 30) | AX | 960 | 5 | 50) | LG | 1260 | 0.5 |
| 15) | PR | 570 | 0.5 | 31) | AF | 950 | 2 | 51) | AJ | 1270 | 0.7 |
| 16) | VA | 580 | 0.2 | 32) | CQ | 980 | 1 | 52) | AQ | 1280 | 1 |
| 17) | GA | 600* | 1 | 33) | AL | 990 | 10 | 53) | TU | 1290 | 0.5 |
| 12) | W | °640 | 20 | 34) | AH | 1000 | 1 | 54) | MU | 1300 | 10 |
| 18) | RT | 670 | 10 | 35) | UX | 1020 | 10 | 55) | LK | 1320 | 0.5 |
| 19) | MQ | 680 | 0.5 | 36) | XA | 1040* | 10 | 12) | WC | °1360 | 10 |
| 20) | HR | 700* | 5 | 37) | Z | 1060 | 0.5 | 56) | AC | 1390 | 0.5 |
| 9) | N | °720 | 10 | 38) | D | 1070 | 2 | 57) | GH | 1410 | 0.5 |
| 21) | Y | 740* | 1 | 39) | C | 1080 | 0.5 | 58) | RP | 1420 | 1 |
| 22) | RF | 760 | 0.5 | 40) | AB | 1090 | 0.5 | 59) | AG | 1430 | 0.5 |
| 23) | BX | 770 | 0.5 | 41) | YC | 1100 | 5 | 8) | MS | °1450 | 0.5 |
| 24) | HB | 780 | 10 | 42) | RR | 1120* | 10 | 60) | IZ | 1460 | 0.5 |
| 25) | O | 800* | 5 | 43) | T | 1140* | 10 | 61) | RN | 1460 | 1 |
| 11) | Q | °810 | 1 | 44) | RL | 1170 | 2 | 62) | CO | 1470 | 0.5 |
| 26) | TO | 820 | 5 | 45) | AL | 1180 | 0.5 | 63) | HU | 1480 | 0.5 |
| 27) | X | 840 | 1 | 46) | ED | 1200 | 1 | 64) | DX | 1520 | 1 |
| 20) | KL | 860* | 1 | 47) | AT | 1230 | 0.5 | 65) | RE | 1550 | 1 |
| 10) | SM | °870 | 0.5 | 48) | K | 1240 | 5 | 66) | VE | 1560 | 1 |
| 28) | J | 880* | 10 | 49) | L | 1250 | 0.5 | 67) | MG | 1570 | 1 |
| 29) | TL | 920 | 5 | | | | | | | | |

**Short Waves:**

1) Convento Barillas, Huehuetenango. **L.P:** Dir. Rev: William R. Woods. V. by QSL-card.

2) Convento Jacaltenango, Huehuetenango. **L.P:** Dir: R. P. J. McNeill **D.Prgr:** Spanish 22 45, Jacalteco 23.50 **Ann:** "Esta es TGSC, La Voz de Nuestra Señora de Candelaria, transmitiendo en una frequencia de dos mil tres cientos cincuenta kc desde el Pueblo de Jaceltenango en el Departmento de Huehuetenango en la República de Guatemala en Centro América".

3) Barillas, Huehuetenango **L.P:** Dir. Gen: L. W. Veith. Dir. Tec: A. Pilditch. V. by letter.

4) Nahualá, Dpto. Sololá. **L.P:** Pres: Rev. J. Rompa. Dir. Gen: Sister G. M. Druffel G. Dir: F. Ixquiactap. Dir. Tec: C. Linde. **D. Prgr: in Quiché & Spanish: N:** 21.50, 01.50. **Ann:** "Esta es TGVN La Voz de Nahualá en el Departamento de Sololá, Guatemala, América Central". **V.** by letter. **F.Pl:** 1kW & extension of prgr's.

5) Jocotán, Ch. Iquimula. **L.P:** Dir. Gen: F. van Weayenberghe. V. by letter. Recordings accepted.

6) Casa Social, Sta. Cruz del Quiche. **L.P:** Dir: F. Gonzales G. **D.Prgr:** Spanish, Maya, Quiché: 23.00–23.30, 00.30–01.00. Ann: "Esta es la emisora Cultural, R. Sta. Cruz". V. by letter.

7) Mpo. San Raymundo. **L.P:** Dir: C. Corzo P. V. by QSL-card. Recordings accepted.

8) Mazatenango Such. **L.P:** Dir. R. Escobar.

9) Apt. 601, Guatemala (owned by Central American Mission, 3611 Congress Ave, Dallas 19, Texas, US). **L.P:** St. Dir: & Dir. Prgr: D. Ruthledge. Dir. Tec: E. Yoder. **D.Prgr:** On 720kHz: 11.00–04.00 in Spanish; On 5955kHz: 11.00–03.00 in Spanish. N: 13.00, 19.00, 01.00. On 9668kHz: 03.00–04.00 in **English. Ann:** E: "These are your Good News Stations, TGN and TGNA broadc. from America's heart —". Sp. "Estas son sus emiroas culturales TGN y TGNA". **V.** by QSL-card. Rp. Prgr. schedule free. **F.Pl:** 6×1kW repeater st's.

10) San Marcos. **L.P:** Dir: J. Pablo Q.

11) Apt. Postal 113, Quetzaltenango. **L.P:** Dir: J. C. Loarca del Valle. **D.Prgr:** N: 18.30, 03.20. **Ann:** "Esta es TGQ La Voz de Quetzaltenango, en Quetzaltenango, Guatemala Centroamérica". V. by QSL-card or letter. Recordings accepted.

12) Ca. 18 de Septiembre 6–72, Z–1, Guatemala. **Te:** 23318. **Cable:** Tevenac. **L.P:** Dir. Gen: M. M. Hidalgo. Dir. Tec: E. Gomez. Dir. Prgr: J. Alberto Fernandez. **D.Prgr:** N: 18.30. **Ann:** "Esta es TGW La Voz de Guatemala" (followed by 3 xylophone notes). V. by QSL-card. Recordings accepted. **F.Pl.:** 20kW on 1360kHz.

13) Ciudad Flores Peten. **L.P:** Dir. Prof. J. E. Rosado P. **Ann:** "R. Nacional Tikal, TGFP, La Voz de la Leyenda Maya en el Horizonte Norte". V. by special letter.

**Medium Waves: D.Prgr:** 12.00–05.00 approx.

14) **R. Cinco Sesenta,** 30 Ave, 3–40, Z–11, Guatemala. **L.P:** Dir: H. Castillo O.

15) **R. Palmeras,** 6a Av. "A", 14–62, Z–1, Guatemala. F. Arña L. Dir. Tec: C. Paynado.

16) **R. Monumental.** Antigua. **L.P:** Dir: H. Andrino.

17) **R. Señorial,** Ca. 12–15, Z–1, Guatemala. **L.P:** Dir: J. A.

18) **R. Fabulosa,** Via 6, 3–74, Z–4, Guatemala. **L.P:** Dir: F. Maza C.

19) **R. Retama,** San Pedro, San Marcos. **L.P:** Dir: F. de Diaz.

20) **R. Mundial,** 6a Ave, 2–80, Z–1, Guatemala. **L.P:** Dir: F. Azurdia. (TGKL=R. Emperador). **D.Prgr:** 11.45–06.00. V. by QSL-card.

21) **R. Progreso,** 6a Ave, 10–58, Z–1, Guatemala. **L.P:** Dir: H. Andrino.

22) **R. Faro Aviateca,** la Ca. 6–90, Z–9, Guatemala. **L.P:** Dir: C. Alarcon.

23) **R. Fraternidad,** Quezaltenango. **L.P:** Dir: E. Pontaq.

24) **Super Radio,** 6a Av. 15–40, Z–1, Guatemala. **L.P:** Dir. Gen: M. A. Rodriguez.

25) **La Voz de las Américas,** 2a Av. 13–39, Z–1, Guatemala. **L.P:** Dir: J. F. Cotero.

26) **R. Internacional,** Km 12c. Roosevelt, Guatemala. **L.P:** Dir. Gen: J. Monteros L.

27) **R. Ciro's,** Col. Santa Rosita, Guatemala. **L.P:** Dir: R. Castillo.

28) **R. Nuevo Mundo,** 6a Av. 10–45, Z–1, Guatemala. **Te:** 29615. **L.P:** Dir. Gen: H. González J. Dir. Tec: J. de la cerda. **D.Prgr:** 24h.

29) **La Voz del Hogar,** 2a Ca. 4–80, Z–9, Guatemala. **L.P:** Dir: S. Falla C.

30) **R. Continental,** 13 Ca. 12–26, Z–1, Guatemala. **L.P:** Dir: R. Vizcaino R.

31) **R. Indiana,** Av. de la Libertad, Mazatenango. **L.P:** Dir: G. Alcazar.

32) **La Voz de la Juventud,** Km 12 Ca. Roosevelt, Guatemala. **L.P:** Dir: J. Paniagua S.

33) **La Voz de la Perla de Oriente,** 7 Ave. 4–00, Z–1, Chiquimula. **L.P:** Dir: E. A. Liu. Dir. Tec: C. Peynados J. **D.Prgr:** 11.00–04.30. **N:** 01.00. **Ann:** "Esta es TGAL, La Voz de la Perla de Oriente, miembro de R. Cadena Maya, desde Chiquimula, Guatemala, América del Centro". V. by letter. Recordings accepted. Rp.

34) **R. Mil,** Ruta 6, 9–50, Z–4, Guatemala. **L.P:** Dir: G. Galan P.

35) **Panamericana,** Km 12, Carretera Roosevelt, Guatemala. **L.P:** Dir: A. V. de Paniagua.

36) **R. Centro,** 6a Av. 10–58, Z–1, Guatemala. **L.P:** Dir: H. Andrino.

37) **R. Ciruito R. Novelas,** 3a Av. 13–07, Z–1, Guatemala. **L.P:** Dir: M. T. Illescas.

38) **La Voz de Occidente,** 7 Av. 0–26, Z–1, Quetzaltenango. **L.P:** Dir: J. A. Illescas.

39) **R. Canal Diez Ochenta,** Puerto Parada. **L.P:** Dir: J. A. Quiñones.

40) **Cobán,** Coban Alta Verapaz. **L.P:** Dir: Miss D. M. de Diaz.

41) **Istmania,** la Ca. 9–71, Z–1, Guatemala.

42) **R. Reloj,** 2a Av. 8–67, Z–9, Guatemala. **L.P:** Dir: M. Johnston.

43) **R. Sonora,** 5a Av. 16–38, Z–1, Guatemala. **L.P:** Dir: M. Ruiz T.

44) **R. Landivar,** 14 Av. "A" 78, Quetzaltenango. **L.P:** Dir: H. Diaz.

45) **R. Antigua,** Antigua. **L.P:** Dir: J–C Garcia Porras.

46) **R. Mil Doscientos Diez,** 3a Av. 13–07, Z–1, Guatemala. **L.P:** M. T. Illescas.

47) **R. Atlantida,** P. Barrios, Izabal. **L.P:** Dir: J. Archila M.

48) **R. Sencación,** Apt. 281, Guatemala, **L.P:** Gen: H. Gonzáles G. Dir. Tec: J. de la Cerda.

49) **R. Victoria,** Mazatenango. **L.P:** Dir: A. Medina.

50) **La Voz de los Mayas,** Col. Santa Rosita, Guatemala. **L.P:** Dir: E. González M.

51) **R. Tropicana,** Escuintla. **L.P:** Dir: C. Echeverria M.

52) **R. Quetzal,** 12 Av. 26–27, Z–5, Guatemala. **L.P:** Dir: M. V. de Rosa.

53) **R. Nacional de Totonicapan,** Totonicapan.

54) **R. Novedades,** Dieg. 27, 39–47, Z–5, Guatemala. **L.P:** Dir: H. Diaz.

55) **R. Tic-Tac,** Km 12 Ca. Roosevelt, Guatemala. **L.P:** Dir: M. A. de Alvorado.

56) **R. Cultura de Colomba,** Colomba, Quetzaltenango. **L.P:** Dir: O. Garcia.

57) **R. Xelaju,** Quetzaltenango. **L.P:** Dir: G. Hurtado.

58) **R. Dial Catorce,** 6a Av. 7–50, Z–4, Guatemala. **L.P:** Dir: J. L. Andreu.

59) **La Voz de Huehuetenango,** Huehuetenango. **L.P:** Dir: M. Guzman.

60) **La Voz de la Marimba,** Mixco. **L.P:** Dir: F. Monteagudo.

61) **R. Peten,** Isleta Santa Barbara, Florens Peten. **L.P:** Dir: M. Colmenares P.

62) **La Voz del Tropico,** Coatepeque, Quetzaltenango. **L.P:** Dir: G. Calderon.

63) **R. Circuito TGHU,** Posada Belem, Antigua. **L.P:** Dir: O. R. Alvarez.

64) **R. Centroamericano,** 2a Ca. 36–89, Z–11, Guatemala. **L.P:** Dir: C. Peynado J.

65) **R. Modelo,** Retalhuleo. **L.P:** Dir: GnAdreu.

66) **La Voz Evangélica de América,** 1 Ca. 9–29, Z–2, Guatemala. **L.P:** Dir: O. Rios Patadez.

67) **R. Nacional Matias de Galvez,** Pto. Barrios Izabal.

## HAITI

**L.T:** GMT – 5h – **Pr.L:** French, Creole.

### DEPARTMENT DES TRAVAUX PUBLICS

Services des Télégraphes, Téléphones & Radios, Port-au-Prince.
**STATIONS:** All st's comm. exc. 1), 2), 9 and 23).
**Short Waves:** Call: 4V—. *=inactive.

| Call | kHz | m | kW | Name and h of tr. |
|---|---|---|---|---|
| 1) U | 2410 | 124.5 | 0.25 | R. Lumiére, Cayes: 10.00–13.00, 21.30–03.00, Sun 10.00–03.00 |
| 2) SO | 2450 | 122.5 | 0.25 | R. St. 4VEH, Cap-Haitien; see below. |

| | Call | kHz | m | kW | Name & h. of tr. |
|---|---|---|---|---|---|
| 3) | M | 4940 | 60.73 | 0.5 | R. Diffusion Haitienne, Port- au- Prince: 11.00–02.00 (Sun 16.00–22.00) |
| 4) | GS | 5020 | 59.76 | 0.5 | R. Indépendance, Gonaives: 11.30—14.30, 17.00–20.00, 23.00–03.00. Sun 16.00–03.00. |
| 5) | GA | 5040 | 59.52 | 0.15 | R. Capois-la-Mort, Port-de-Paix. |
| 6) | AF | 5090 | 59.00 | 0.25 | R. Grande Anse, Jérémie. |
| 7) | B | 5908 | 50.78 | 7.5 | Voix de la Révolution Duvaliériste, Port-au-Prince: 11.00–04.00 Sun 23.00) |
| 7) | B | 5950 | 50.42 | 7.5 | Voix de la Révolution Duvaliériste, Port-au-Prince |
| 7) | B | 6000 | 50.00 | 7.5 | Voix de la Révolution Duvaliériste, Port-au-Prince: 11.00–04.00 (irr.) |
| 8) | EB | 6020 | 49.83 | 1 | R. Caraibes, Port-au-Prince: 09.45–04.00. |
| 1) | O | 6100 | 49.18 | 0.25 | R. Lumière, Cayes: 10.00–13.30, 21.30–03.00; Sun 10.00–03.00. |
| 9) | O | *6100 | 49.18 | | Voix de l'Ave Maria, Cap-Haitien |
| 2) | E | 6120 | 49.02 | 2.5 | R. St. 4VEH, Cap-Haitien: see below. |
| 10) | WA | 6155 | 48.74 | 0.25 | R. Citadelle, Cap-Haitien: 12.00–03.00. Sun 12.00–21.00 |
| 11) | CP | *6163 | 48.67 | 0.15 | Voix du Nord, Cap-Haitien. |
| 12) | PJ | 6175 | 48.58 | 0.5 | R. Diffusion Capoise, Cap-Haitien. |
| 13) | HW | 6195 | 48.43 | 1 | R. Haiti, Port-au-Prince: 10.30–04.00. Sun 13.30–03.00. |
| 7) | C | *9485 | 31.62 | 7.5 | Voix de la Révolution Duvaliériste, Port-au-Prince. |
| 1) | U | 9635 | 31.14 | 0.25 | R. Lumière, Cayes: 13.00–13.30 (irr.) |
| 2) | EH | 9770 | 30.71 | 3.5 | R. St. 4VEH, Cap-Haitien: see below. |
| 2) | EJ | 11835 | 25.35 | 1* | R. St. 4VEH, Cap-Haitien: see below. |

*Temporarily uses 2.5kW; to be increased to 20kW.

**Medium Waves:** °= Short Wave.

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 1) I | °760 | 1 | 18) CPS | 995 | 0.2 | 3) YM | °1250 | 0.6 |
| 1) UE | 780 | 0.25 | 2) EF | °1035 | 10 | 13) W | °1320 | 1.5 |
| 14) LS | 860 | 1 | 7) A | °1080 | 1.5 | 21) S | 1385 | 1 |
| 15) 2A | 880 | 0.15 | 19) F | 1120 | 0.2 | 22) GM | 1430 | 1 |
| 2) EC | 890 | 2.5 | 8) AB | °1150 | 1 | 11) EA | °1460 | 0.15 |
| 16) JS | 930 | 0.25 | 20) RD | 1170 | 0.25 | 23) OC | 1500 | – |
| 17) CD | 960 | 0.2 | 6) – | °1190 | 0.15 | 10) – | 1500 | |

**Short Waves:**

1) B.P.71, Cayes (for 4VUE: B.P. 1051, Port-au-Prince). **L.P:** Dir: L. A. Markwood. Dir. Tec: D. Hartt. **D.Prgr:** 10.00–14.00 & 21.30–03.00; Sat 10.00–14.00, 20.30–03.00; Sun 10.00–03.00. **Spanish:** 13.00–13.30 (on all outlets, except 2410kHz which is replaced by 9635kHz) **Ann:** "Votre Station c'est R. Lumière, Réseau Culturel Haitien, émettant des Cayes et de Port-au-Prince". V. by QSL-card. **Rp. Pub:** Prgr. schedule. **F.Pl:** 5/10kW on 760m, 1kW on 9645, at Port-au-Prince, 4VIE 660kHz 0.24kW at Jérémie, 4VIE 730kHz 0.25kW at Desdunes, 4VIE 600kHz 1kW at Pignon. **FM:** 4VOX 95.9 MH 0.05kW Cayes, 4VIE 97.9MHz 0.02kW Port-au-Prince.

2) Box 1, Cap-Haitien, **Cable:** Ormiso. **L.P:** Dir. Gen: Dr. E. Erny. Gen.. Mgr: E. Turnridge. Dir. Tec: M. E. Picazo. Dir. Prgr: H. Hess. **D. Prgr** (on all freq's): **French and Créole:** W 10.00–14.00 (Sat 15.00), 21.00–03.45; Sun 10.00–15.00, 19.00–03.30 (French and Creole on 1035/2450/6120kHz, English & Spanish on 890/9770/11735kHz). **English** 11.00–14.00 (Sat/Sun 15.00), 19.00–21.00 (Sun), 01.30 (Sun 23.30)–03.45 (Sun 03.30). **French** W. 23.30–01.30 and 02.30–02.45. **Spanish** W 10.00–11.00, Sun 21.00–23.30 – **DX'ers Corner:** Fri 03.00– **Listener's Post:** Sat 03.00. **Ann:** "Ici la Voix Evangélique d'Haiti" or "Ici R. 4VEH". Sp. "Escucha Ud. la Voz Evangélica de las Antillas estación 4VEH." E: "This is the Evangelistic Voice of the West Indies" or "This is R. 4VEH". **Int-Sig:** Gong. V. by QSL-card or letter. **Re.** in Eng, Sp, Fr. **Pub:** Prgr. schedule (twice a year) free on request.

3) Ruelle Jeanty, Bois-Verna, Port-au-Prince. **L.P:** Dir: Y. Michel. **D.Prgr: N:** 11.30, 12.35, 13.55, 18.00, 23.30. **Ann:** "Avec vous, las R. Diffusion Haitienne á Port-au-Prince. R. Diffusion Haitienne, Postes 4VM et 4VYM, partout et pour tous" or "Ici Port-au-Prince, R. Diffusion Haitienne, qui émet de Port-au-Prnice. Haiti, sur 1250kHz, onde moyenne et sur 60 mètres, onde courte fréquence 4940kHz". V. by letter.

4) Gonaives. **L.P:** Dir: P. Mitton. **Ann:** "Ici R. Indépendance, Poste 4VGA, qui émet des Gonaives, Républioue d'Haiti, Grandes Antilles. V. by letter.

5) Port-de-Paix. **L.P:** Dir: A. Dorvil. Dir. Tec: G. Arthamin. **D.Prgr:** irregularly. V. by letter. **F.PL:** mw st.

6) Jérémie. **L.P:** Dir: A. Félix. **D.Prge:** irregularly. V. by letter.

7) B.P. 1143, Port-au-Prince. **Te:** 3471. **Cable:** Radioco. **L.P:** St. Mgr: M. Canal. **D.Prgr:** Special official prgr (relayed by most of Port-au-Prince st's): "La Voix de la République d'Haiti": 12.00, 19.30, 23.15, 02.30. **Arabic** (comm. prgr): Sun 17.15–18.15. **Ann:** "Au service du Peuple Haitien, au service de la Culture, dans l'unité, l'ordre, le travail et le progrès, ici la Voix de la Révolution Duvaliériste, Postes 4VA, 4VB et V4C, émettant de Port-au-Prince, capitale de la République d'Haiti, Patrie de Jean Jacques Dessalines, le Grand l'Emancipateur, d'Alexandre Pétion, le Panaméricaniste, d'Henri Christophe, le Civilisateur et de François Duvalier, le Rénovateur".
**Note:** Irregularly using 4VB on 5908, 5950 or 6000kHz – **FM:** 94MHz.

8) 23 Ruelle Chavannes, Port-au-Prince. **Te:** 4115. **L.P:** Dir. Gen: & Dir. Tec: A. Brown. Mgr: J. Brown. **D.Prgr: N:** 13.00. **Ann:** "Ici R Caraibes, Postes 4VAB et 4VEB, émettant de Port-au-Prince, capitael de la République d'Haiti, Grandes Antilles, sur la bande des 260m86 et celle des 49m", or "Au coeur des Continents, dans le Bassin des Caraibes, ici R. Caraibes, émettant de Port-au-Prince, Haiti, sur 1150kHz et dans la bande des 49m, avec la fréquence de 6020kHz". V. by QSL-card or letter– **Note:** The sw outlet moves from 6005 to 6020 to avoid interference.

9) Evêché du Cap-Haitien.

10) Cap-Haitien. **L.P:** Dir: S. Wainwright. V. by letter.

11) Cap-Haitien. **L.P:** Dir: E. Anacréon. **D.Prgr:** mw 12.30–03.00, sw 14.00–23.00 (irr.). V. by letter.

12) Rue 9D 144, Cap-Haitien. **L.P:** Dir: P & G. Julmis. Dir. Tec: G. Joseph – **Note:** Under construction.

13) P.O Box 737, Port-au-Prince. **L.P:** Dir: R. Widmaier. **Ann:** "Vous écoutez R. Haiti, émettant dans les bandes de 230, 49 et 31 mètres, á Port-au-Prince" or "R. Haiti, la station des vedettes, la vedette des stations" or "Treize-Cent-Trente sur le cadran de votre poste: R. Haiti".

**Medium Waves:**

14) **R. Progres,** Blvd. J. J. Dessalines 758, Port-au-Prince. **D.Prgr:** 10.00–04.00.

15) **R. Nationale,** Route de Carrefour, Port-au-Prince. **D.Prgr:** 10.00–04.00 (moves between 890 & 905kHz).

16) **La Voix des Gonaives,** Gonaives. **L.P:** Dir. J. Simon.

17) **R. Carillon,** Rue Dr. Aubry 157, Port-au-Prince. **D.Prgr:** W 11.30–13.00, 21.00–01.00.

18) **R. Cacique,** Rue Traversière 3, Port-au-Prince. **D.Prgr:** 11.00–02.30 (Sun 04.00).

19) **R. Union,** 1 Ruelle Louverture, Blvd. J. Dessalines, Port-au-Prince.

20) **R. Tropiques,** Ave. John Brown, Lalue, Port-au-Prince.

21) **R. Port-au-Prince,** Stade Sylvio Castor, Port-au-Prince. **D.Prgr.** 10.30–03.00

22) **Magloire Broade.** Circuit, Rue Américaine, Port-au-Prince. **D.Prgr:** 11.30–04.00 (Sun 13.30).

23) **R. Select,** Blvd. Jn. J. Dessalines, Rue Saint-Honoré 538, Port-au-Prince.

## HONDURAS (British)

**L.T:** GMT−5½h (Su: GMT−6h) — **Pr.L:** English, Spanish.

**RADIO BELIZE (Gov.)**

**ADDR:** P.O. Box 89, Belize. **Te:** 80. **Cable:** "Radio" – **L.P:** Dir. E. G. Waight. Chief Eng: L. H. Young. Prgr. Organizer: E. Usher.
**STATIONS:** 830kHz 359.7m 20kW – 3300kHz 90.85m 5kW.
**HOME SCE. English, Spanish:** 12.00–04.30.
**English:** 12.00–16.00, 17.00–22.00, 00.30–04.30. **N:** 12.45, 13.00, 13.30, 14.00, 18.30, 20.00, 01.00, 03.00 — **Spanish:** 16.00-17.00, 22.00-03.00. **N:** 16.55, 18.45, 24.00, 01.10.
**ANN:** E: "This is R. Belize, Voice of the Emerging Nation of Belize in Central America". **Sp:** "Esta es R. Belice la Voz de la Nación Naciente de Belice en Centro America" – **INT-SIG:** Opening: "Land of the Gods". Closing: "Land of the Gods" and UK Nat. Anthem – V. by QSL-card. Recordings accepted.

## HONDURAS (Rep.)

**L.T:** GMT – 6h – **Pr.L:** Spanish.

**DIRECCION GENERAL DE COMUNICACIONES ELECTRICAS,** Tegucigalpa. **L.P:** Chief of R. Nacional: H. Andino N.
**STATIONS: Short Waves:** Call HR——.
Where no times indicated, usually 11.00–06.00

| | Call | kHz | m | kW | Name & h of tr. |
|---|---|---|---|---|---|
| 1) | MD | 4755 | 63.09 | 0.25 | R. Yoro, Yoro |
| 2) | LC | 4770 | 62.89 | 1 | R. Continental, San Pedro Sula |
| 3) | FS | 4790 | 62.29 | 1 | R. 1° de Mayo, Tela: 12.00–03.00 |
| 4) | VC | 4820 | 62.24 | 5 | R. Evangélica, Tegucigalpa: 11.00–15.00, 18.00–03.00 |
| 5) | VJ | 4845 | 61.92 | 0.5 | R. Católica S. Isidro, La Ceiba: W 17.00–19.00, 23.00–02.00; Sun 13.30–18.00, 23.00–02.00 |
| 6) | VA | 4855 | 61.79 | 1 | R. Corona, San Pedro Sula |
| 7) | QN | 4880 | 61.48 | 0.5 | La Voz del Atlantico, Puerto Cortez |
| 8) | VL | 4890 | 61.35 | 1 | R. Lux, Olanchito: 12.00–03.00 |
| 9) | SY | 4914 | 61.05 | 0.25 | La Voz del Pacifico, San Lorenzo |
| 10) | OM | 4900 | | 0.5 | La Voz del Ulua, El Progreso |
| 11) | PL | 4920 | 60.98 | 1 | R. Progreso, El Progreso |
| 12) | VS | 4930 | 60.85 | 1 | R. Católica, Tegucigalpa: 10.00–05.00 (Sun 03.00) |
| 13) | RZ | 4950 | 60.60 | 1 | R. Juticalpa: 11.25–03.00 |
| 14) | OE | 5035 | 59.58 | 1 | La Voz de las Fronteras, Ocotepeque |
| 15) | N | 5875 | 51.05 | 1 | La Voz de Honduras, Tegucigalpa: 11.00–24.00 |
| 16) | VF | 5955 | 50.37 | 1 | R. Exitos, Tegucigalpa |
| 17) | HR | 5960 | 50.34 | 1 | La Voz de Occidente, Sta. Rosa de Copan: 11.00–02.00 |
| 18) | WW | 5965 | 50.29 | 1 | La Voz de Centroamerica, San Pedro Sula: 11.00–05.00 |

# Honduras — Leeward Islands

| | Call | kHz | m | kW | Name & h. of tr. |
|---|---|---|---|---|---|
| 19)} | PI | 5995 | 50.04 | 1 | El Eco de Honduras, San Pedro Sula |
| 20)} | SP | 6020 | 49.83 | 1 | R. Moderna, Tegucigalpa |
| 21) | TL | 6035 | 49.71 | 1 | R. Tic-Tac, Tegucigalpa: 11.00–05.00 |
| 22) | DN | 6040 | 49.67 | 0.5 | R. Caribe, La Ceiba |
| 23) | LP | 6050 | 49.59 | 1 | R. América, Tegucigalpa |
| 24) | U | 6060 | 49.50 | 1 | R. Castro, Tegucigalpa |
| 25) | MH | 6075 | 49.38 | 5 | La Voz del Junco, Sta. Bárbara: 11.30–24.00 |
| 26) | NQ | 6090 | 49.26 | 1 | R. Morazán, Tegucigalpa |
| 27) | XW | 6110 | 49.10 | 1 | R. Comayagüela, Tegucigalpa |
| 28) | Q | 6125 | 48.98 | 1 | La Voz de Suyapa, San Pedro Sula |
| 29) | ME | 6135 | 48.90 | 1 | R. El Patio, La Ceiba |
| 30) | XE | 6145 | 48.82 | 1 | R. Mil Treinta, Juticalpa: 11.00–05.00 |
| 31) | TV | 6165 | 48.66 | 1 | R. Televisión, Tegucigalpa |
| 32) | MT | 6185 | 48.50 | 1 | R. Molina Rojo, San Pedro Sula |

Medium Waves: Call: HR—. °=also on shortwave.

| | Call | kHz | kW | | Call | kHz | kW | | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 33) | TX | 560 | 1 | 12) | VS | °910 | 10 | 18) | VW | °1190 | 1/6 |
| 33) | T5 | 590 | 1 | 39) | ZE | 930 | 1 | 27) | XW | °1200 | 1 |
| 23) | LP | °610 | 10 | 40) | YW | 950 | 1 | 51) | QL | 1230 | 0.5 |
| 32) | MT | °640 | 1 | 41) | BT | 960 | 1 | 13) | JU | °1240 | 1 |
| 16) | VF | °640 | 1 | 42) | AS | 960 | 1 | 28) | Q | °1250 | 1 |
| 15) | N | °670 | 10 | 43) | GZ | 960 | 1 | 52) | YT | 1270 | 1 |
| 34) | RT | 700 | 1 | 2) | LC | °1000 | 1 | 53) | XA | 1280 | 1 |
| 17) | HR | °710 | 1 | 30) | XE | °1030 | 1 | 54) | XX | 1300 | 1 |
| 31) | TV | °720 | 1 | 44) | XN | 1040 | 1 | 55) | H6 | 1340 | 1 |
| 35) | TV2 | 720 | 1 | 45) | VH | 1040 | 1 | 29) | ME | °1350 | 1 |
| 36) | QQ | 730 | 0.25 | 46) | LE | 1050 | 1 | 4) | VC | °1380 | 1 |
| 37) | JS | 740 | 1 | 47) | XM | 1070 | 1 | 3) | FS | °1390 | 1 |
| 22) | DN | °750 | 1 | 6) | VA | °1080 | 1 | 19) | PI | °1400 | 1 |
| 26) | NQ | °770 | 10 | 11) | PL | °1110 | 0.5 | 56) | OW | 1420 | 1 |
| 33) | VQ | 790 | 1 | 48) | D4 | 1120 | 1 | 57) | XA | 1440 | 1 |
| 38) | XS | 820 | 1 | 49) | RO | 1130 | 1 | 58) | OC | 1480 | 1 |
| 20) | SP | °830 | 1 | 7) | ON | °1150 | 1 | 25) | MH | °1500 | 1 |
| 24) | U | °860 | 10 | 50) | TZ | 1160 | 0.5 | | | | |

**Short Waves:**

1) Yoro. **L.P:** Dir: I. Martinez S.
2) San Pedro Sula.
3) Tela. **L.P:** St. Mgr: L. Felipe G. Dir. Tec: D. Suazo. Dir. Prgr: A. Griffin H. **D.Prgr:** N: 17.30. **Ann:** "HRST R. Primera de Mayo, La Voz del Trabajador Hondureño". V. by letter. Recordings accepted.
4) Apt. 270, Tegucigalpa. **Te:** 27964. **Cable:** Vozehon. **L.P:** Dir. Gen: H. Erickson. Dir. Tec: O. Nuñez. **D.Prgr:** N: 13.00-01.00. **English:** 02.00-02.30. **"Songs in the night":** Sun 03.00-03.30. **Ann:** "La Voz Evangélica de Honduras, HRVC, en Tegucigalpa, Capital de la República". **V.** by QSL-card or letter.
5) Apt. Postal 14, La Ceiba. **L.P:** Dir Gen: Rev. P. Gomez C. M. St. Mgr: J. Eguia. Dir. Tec: C. Alberto V. **D.Prgr:** N: 18.30, 23.30. V. by letter.
6) 14 Ca. So. 38, San Pedro Sula. **L.P:** St. Mgr: R. R. Barnett. Dir. Tec: R. A. Vargas. V. by letter. Recordings accepted.
7) Andrés Griffin C, Puerto Cortez.
8) Olanchito, Yoro. **L.P:** Dir. Gen: L. E. Santos. Dir. Tec: L. E. Aguiluz A. **D.Prgr:** N: 18.00. **Ann:** "Esta es R. Lux que transmite desde Olanchito, Yoro, Honduras, C. A, 4890kc onda corta banda de 60 metros". V. by letter.
9) Alberto H. Matamoros, San Lorenzo.
10) El Progreso, Yoro. **L.P:** Dir. Gen. & Dir Tec: E. Castillo. V. by letter. Recordings accepted.
11) Carlos Coleman, El Progreso.
12) Apt. Postal 480, Tegucigalpa. **Te:** 22848. **L.P:** Mgr: H. A. Meoño M. Dir. Tec: A. Lardizabal G. Dir. Prgr: J. Erasmo B. **N:** W 12.15, 18.30, 00.00. **Ann:** "Esta es R. Católica, La Voz de Suyapa". V. by QSL-card.
13) Juticalpa. **Te:** 2. **L.P:** Dir. Gen: V. Rubi Z. Dir. Tec: V. Guerrero D. **Ann:** "R. Juticalpa, La Expresión muscial de Oriente". V. by letter. Recordings accepted. **F.Pl:** mw 1240kHz.
14) Edgardo Valle S, Ocotepeque.
15) 8a Ca. 410, Tegucialpa. **Te:** 20861. **L.P:** St. Mgr: R. Breve M. Dir. Tec: F. P. Aguilar. **D.Prgr:** 11.00–05.00 (m.w.) **N:** 12.15, 18.15. **Ann:** "Transmite HRN, La Voz de Honduras, en Tegucigalpa, Honduras, Centro America". **Int-Sig:** Gong & Xylophone. V. by QSL-card. **F.Pl:** 10kW (5kW).
16) Tegucigalpa.
17) Cas. 206, Santa Rosa de Copán. **Cable:** Voccidente. **L.P:** Dir: Dr. A. Redon P. Dir. Tec: H. Tabora M. **Ann:** "Esta es HRRH, La Voz de Occidente transmitiendo desde Santa Rosa de Copán, Honduras, C.A.". V. by letter.
18) Apt. 120, San Pedro Sula. **Te:** 1828. **L.P:** St. Mgr: I. de Sikaffy. Dir. Tec: H. Merman. **D.Prgr:** N: 12.00, 17.30, 18.15, 01.30, 04.30. **Ann:** "HRVW y HRWW, La Voz de Centroamérica". V. by letter. Recordings accepted.
19) Apt. 24, San Pedro Sula.
20) Tegucigalpa.
21) Apt. Postal 771, Tegucigalpa. **L.P:** St. Mgr: E. de Mena A. Dir. Tec: L. Carlos G. **Ann:** "HRTL, R. Tic-Tac de Honduras". V. by QSL-card. Recordings accepted. **F.Pl:** 10kW on 980kHz, 5kW on 1110kHz.
22) La Ceiba.
23) Apt. Postal 259, Tegucigalpa. **Te:** 2–8388. **L.P:** Pres: M. A. Fernandez. Dir: R. S. Peña. Dir. Tec: L. G. Gomez P. **FM:** 98MHz. V. by letter. Recordings accepted.
24) Apt. Postal 642, Tegucigalpa. V. by letter.
25) Ca. Independencia, Sta. Barbara. **L.P:** Dir: Miguel Hasbun. **D.Prgr:** N: 17.30. **Ann:** "Entre Las Palmas del Junco y la Flor del Café, transmite la Primera Emisora de Occidente, La Voz del Junco, desde Santa Barbara, Honduras, C.A.". V. by QSL-card.
26) P.O. Box 393, Tegucigalpa.
27) Humberto Andino N, Tegucigalpa. V. by QSL-card.
28) San Pedro Sula. **L.P:** Dir: R. F. Yupa.
29) Gregorio Irias. La Ceiba.
30) Juticalpa. **L.P:** Dir. Gen: E. Bayardo Rodriguez. **D.Prgr:** N: 18.00. **Ann:** "Esta es R. Mil Treinta transmitiendo desde Juticalpa, Olancho, Honduras, C.A.". V. by letter. Recordings accepted.
31) Apt. 734, Tegucigalpa. V. by letter.
32) Olga L. de Kattan, San Pedro Sula.

**Medium Waves:**

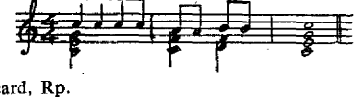
33) **R. Satélite,** Tegucigalpa (HRT5, San Pedro Sula).
34) **R. Exitos,** San Pedro Sula.
35) **R. Télévision, Apt.** 208, San Pedro Sula.
36) **R. Muscial,** Camayagua.
37) **R. Metropolitana,** San Pedro Sula.
38) **R. Sula,** Carlos Coleman, San Pedro Sula.
39) **R. Cortés,** Puerto Cortés.
40) **R. Panamericana,** Tegucigalpa.
41) **R. Norte,** San Pedro Sula.
42) **R. Columbia,** Santa Barbara.
43) **La Voz de Atlantida,** La Ceiba.
44) **R. Ceiba,** Antonio R. Diaz, La Ceiba.
45) **R. Mil,** Tegucigalpa.
46) **R. Emperador,** Eduardo Morales, San Pedro Sula.
47) **R. Meridiano,** Choluteca.
48) **R. Oriental,** Danli.
49) **R. Universal,** Herman A. Padgett, Tegucigalpa.
50) **R. Cristal,** Tegucigalpa.
51) **Centro Radial Hondurena,** Siguatepeque.
52) **R. Estrella de Oro,** San Pedro Sula.
53) **R. Choluteca,** Choluteca.
54) **R. Lima,** Carlo Coleman, La Lima.
55) **R. El Mundo,** San Pedro Sula.
56) **R. Trópico,** Tela. **L.P:** R. Funez A.
57) **Union Radio,** Tegucigalpa.
58) **R. Bahia,** Roatán.

## JAMAICA

**L.T:** GMT – 5h – **Pr.L:** English.

**RADIO JAMAICA LTD. (Comm.)**
**ADDR:** Broadcasting House, Kingston 5. **Te:** 68151. **Cable:** Broadco. **L.P:** Gen. Mgr: G. Binns, M.A. Dir. Prgr: H. Wong. Chief Eng: W. G. Matthews.
**STATIONS:** Mandeville 770kHz 5kW – Point Galina 580kHz 5kW – Kingston 5kW – Montego Bay 550 kHz 5kW.
**FM:** Kingston 94.6MHz 0.03kW, Christiana 90.6MHz 0.85kW.
**HOME SCE. in English:** 09.45–05.00 (Sat 06.00) – **N:** 11.00, 12.00, 12.30, 13.00, 13.10, 15.00, 17.00, 18.00, 19.00, 22.00, 22.30, 23.00, 24.00, 02.00, 02.10, 04.55 — Imminent Hurricane warnings on the h every h of tr — **ANN:** "This is R. Jamaica and Rediffusion" — **V.** by QSL-card. **F.I:** by adv. — **AD:** 12 min's per h.

**JAMAICA BROADCASTING CORPORATION (Comm. and Public Service)**
**ADDR:** 5 So. Odeon Ave, Kingston. Te: 65621. Cable: Jarad. L.P: Gen. Mgr: F. M. Needham. Dir. Tec: L. Stewart. Dir. Prgr: M. Bukht.
**STATIONS** (System: Gates):
Kingston 560kHz 5kW – Spur Tree 620kHz 5kW
Montego Bay 700kHz 5kW – Point Galina 750kHz 5kW
**FM:** Kingston 96.3MHz 1.2kW – Half Way Tree 99.0MHz 0.08kW – Christiana 91.1MHz 1.2kW.
**HOME SCE:** 09.45–05.00, N: 11.00, 12.00, 12.30, 13.00*, 13.10, 15.30, 17.30, 18.30, 21.30, 22.30, 23.00*, 00.30, 02.30, 04.00 (*=BBC) – **Wrp:** W 11.30, 12.40, 17.35, 23.32, 04.02.
**ANN:** "This is the Jamaica Broadc. Corporation" – "This is JBC Radio" – **INT-SIG:** Vibraphone: Chi Chi Bud (Jamaica folksong).



**V.** by QSL-card, Rp.

## LEEWARD ISLANDS

**L.T:** GMT – 4h – **Pr.L:** English.

### Monserrat

**RADIO MONSERRAT (Gov.)**
**ADDR:** P.O. Box 51, Plymouth, Montserrat. Te: C76. Cable: Radmon. L.P: Gen. Mgr: C. Osborne. Prgr. Mgr: V. B. Browne. Dir. Tec: D. Edgecombe.
**STATION:** 885kHz 339.0m 0.25kW.
**HOME SCE. in English:** W 10.00–12.00, 15.00–17.00, 20.00–02.00, Sun 21.30–24.00 – N: 11.00, 16.00, 20.00, 21.00, 21.10, 01.00. ANN: "This is R. Montserrat broadc. to the entire Leeward & Windward Isl. on 885kHz from the Groves Botanical Gardens in Plymouth" V. by letter. Rp. Recordings accepted.

**RADIO ANTILLES (Priv. Comm.)**
**ADDR:** P.O. Box 35, Montserrat. **Cable:** ARC. Te: 2125. **L.P:** Chmn: G. Comminges. Mgr: C. Champagne. Dir. Public Rel. & Adv: D Apperley. Dir. Tec: J. Horat. Tech. Operations Dept: M. Castillo. Chief Eng: L. Caspar. Eng: B. Chalmers. English Dept: P. Bowman, L. Mason, M. House. French Dept: G. Benet, M. Fletcher, B. Mulliez. Spanish Dept. B. Castillo. News Sce: B. Etienne (French), J. Fletcher (English). Listeners Sce: N. Ryan.
**STATIONS:** 930kHz 322.6m 200kW – 640kHz 468.0m 25kW
**HOME SCE:** 10.00–14.00, 16.00–03.00.
**English:** 10.00–11.00, 13.00–14.00, 20.00–23.00. **French/English:** 11.00–13.00, 16.00–20.00, 23.00–01.00. **Spanish:** 01.00–03.00. N: Every h on the h. – **The Breakfast Show:** 10.00 – **International Show:** 18.00. **The Five O'Clock Show:** 21.00.
ANN: E: "This is R. Antilles". F: "Ici R. Antilles". Sp: "Aqui R. Antillas" – **INT-SIG:** Carillon (two notes) and "Carnival in the West Indies" – V. by QSL-card or letter.

### Antigua

**ANTIGUA BROADCASTING SERVICE (Gov.)**
**ADDR:** St. Johns, Antigua – **L.P:** Mgr: E. A. M. John.
**STATION:** 620kHz 483.9m 0.5kW – **HOME SCE. in English:** 10.00–13.00, 16.00–18.00, 22.00–01.00.

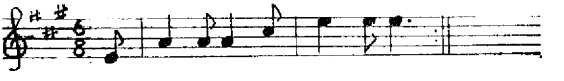
### St. Kitts

**RADIO ZIZ (Gov.)**
**ADDR:** Springfield, Basseterre, St. Kitts – **L.P:** Mgr: K. Osborne.
**STATION:** ZIZ 570kHz 526.3m 0.66kW.
**HOME SCE. in English:** 10.45–17.00, 21.30–02.00, N: 11.00, 13.00, 14.00, 16.15 – ANN: "This is R. Station ZIZ" – V. by letter.

## MARTINIQUE (French West Indies)

**L.T:** GMT – 4h – **Pr.L:** French

**OFFICE DE R. DIFF. TELEVISION FRANCAISE (O.R.T.F.)**
**ADDR:** B.P. 662, Fort de France. Te: 6060. **L.P:** Délégue Reg: F. Jacquemart. Dir. Tec: M. Dupre.
**STATIONS** (G.C: 61.00W/14.30N): mw 40kW, sw 4kW.
1310kHz 229m: 10.10–02.30
3315kHz 90.50m: 10.10–12.00, 23.00–02.30
4895kHz 61.29m: 12.00–22.30
5995kHz 50.04m: 16.00–02.30.
N: 10.30 (relay Paris). 11.30, 17.15 (local), 17.30, 23.25 (local), 23.30.
ANN: "Ici Office de R. doff. Télévision Française, Fort de France" – **INT-SIG:** First eight notes of "Adieu Foulards, Adieu Madras" on piano.



**ALF:** 30 Frcs.

## MEXICO

**L.T:** GMT – 6h (Mexico generally), GMT – 7h (Sonora, Sinaloa, Nayarit and Lower Calif.), GMT – 8h (Upper Calif.) – **Pr.L:** Spanish.

**DIRECCION GENERAL DE TELECOMUNICACIONES**
**Departamento de Radiodifusion – ADDR:** Col. Narvarte, México, DF
**STATIONS:** All st's comm. exc. 2), 4), 8), 15) (XEAD only), 21), 70), 92), 115), 121) (XEJM only), 241) (Cultural).
**Short Waves:** Call: XE---. *=inactive.

| | Call | kHz | m | kW | Name and h of tr. |
|---|---|---|---|---|---|
| 1) | VJ | 2160 | 139.39 | 0.25 | R. Dif. XEVJ, Chilpancingo |
| 2) | SE | 2380 | 126.0 | 0.35 | Sria. de Educación Pública, México |
| 3) | JN | 2390 | 125.5 | 0.5 | Educ. Univ. Iberoamericana, México: 12.30–13.30, 01.30–02.30. |
| 4) | JG | 4820 | 62.24 | 0.2 | Emis. Casa de la Cultura, Guadalajara: 20.00–05.00 |
| 5) | UMT* | 5960 | 50.34 | 0.25 | Universidad Iberoamericana, México |
| 6) | OI | 6010 | 49.92 | 0.5 | R. Mil, México: 12.00–08.00 |
| 7) | UW | 6020 | 49.88 | 0.25 | E. Eco de Sotavento, Vero Cruz: 11.30–06.00 |
| 8) | XQOC | 6045 | 49.63 | 0.25 | R. Universidad Potosina, San Luis Potosi: 16.00–05.00 (Sun 13.00–01.00) |
| 9) | XG | 6065 | 49.46 | 1 | R. Dif. México, México: 12.00–06.00 |
| 10) | CMT | 6090 | 49.26 | 1 | R. Dif. XECM/XECMT, Ci. Mante: 13.00–03.00 |
| 11) | QM | 6105 | 49.14 | 0.25 | R. Frecuencia Juventud, Mérida: 13.00–06.00 |
| 12) | UDS | 6115 | 49.06 | 1 | R. Universidad de Sonora, Hermosillo: 18.00–04.00 |
| 13) | TS | 6120 | 49.02 | 0.5 | R. XETS, Tapachula, Chis: 12.00–06.00 |
| 14) | RCM* | 6130 | 48.94 | 0.1 | R. Central de México, México |
| 15) | RUU* | 6140 | 48.86 | 0.25 | R. Universidad de Chihuahua |
| 16) | WW | 6165 | 48.66 | 10 | La Voz de la América Latina, México: 12.00–05.00 |
| 17) | XA | *6175 | 48.58 | 0.1 | R. Gobernación, México |
| 18) | ICM | 6185 | 48.50 | 1 | La Voz del Maestro, México: 19.00–22.00 |
| 16) | WW | 9515 | 31.53 | 10 | La Voz de la América Latina, México: 12.00–05.00 |
| 19) | FT | 9545 | 31.43 | 0.25 | La Voz de Veracruz, Vera Cruz: 11.30–06.00 |
| 20) | QK | 9555 | 31.40 | 1 | La Hora Exacta, México: 24 h |
| 21) | YU | 9600 | 31.25 | 1 | Universidad Nac. de México: 14.00–07.00 |
| 22) | QQ | *9680 | 30.99 | 1 | R. Dif. XEQ/XEQQ, México |
| 23) | MP | 11740 | 25.55 | 1 | R. Dif. XEMP, México |
| 24) | BR | *11820 | 25.38 | 5 | El Heraldo de Sonora, Hermosillo |
| 25) | RH | 11880 | 25.25 | 5 | R. Dif. Comerciales, México: 12.00–06.00 |
| 25) | RR | 15110 | 19.85 | 5 | R. Dif. Comerciales, México: 12.00–06.00 |
| 16) | WS | *15160 | 19.79 | 10 | La Voz de la América Latina, Mexico |
| 26) | VOZ* | 15200 | 19.74 | 5 | R. Dif. XEVOZ, México. |

**Medium Waves:** Call: XE---. °=Short Wave.
D= Daytime operation only (12.30–02.00 approx.) a= Belongs to RCN. St's printed in fat type are in Mexico City.

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 16) WA | 540 | 150 | 79) BI | 790 | 1/0.25 | 127) LC | 980 | 5/0.2 |
| 27) KL | 550 | 1/0.25 | 80) FE | 790 | 1/0.5 | 128) NR | a980 | 5/0.5 |
| 28) QW | 550 | 2/0.2 | 81) GZ | 790 | 1/0.25 | 129) TU | 980 | 10/1 |
| 29) UC | 550 | 1/0.1 | 82) NT | 790 | 5/0.75 | 130) XT | a980 | 1 |
| 29) UC | 550 | 1/0.25 | 83) RC | 790 | 10/1 | 131) T | 990 | 50d |
| 30) OC | 560 | 1.5/1 | 84) RPC | 790 | 5/0.4 | 132) BC | 990 | 1/0.1 |
| 31) BJB | 570 | 5/0.25 | 85) SU | 790 | 1D | 133) CL | 990 | 5 |
| 32) LQ | 570 | 1 | 86) VA | a790 | 5/0.2 | 134) HZ | 900 | 1/0.25 |
| 33) NZ | 570 | 1/0.25 | 87) AN | 800 | 1D | 135) HU | a1000 | 5/0.1 |
| 34) OA | a570 | 5/0.25 | 88) LO | 800 | 150 | 136) FV | 1000 | 1D |
| 35) TJ | 570 | 1/0.1 | 89) FW | a810 | 50/30D | **6) OY** | °**1000** | **10** |
| 36) VX | 570 | 1/0.25 | 90) UX | 810 | 5D | 137) FM | 1010 | 1/0.2 |
| 37) Av | 580 | 5/1 | 91) BA | a820 | 1 | 138) HL | 1010 | 10/5 |
| 38) DZ | 580 | 1/0.45 | 92) LA | 830 | 10/5D | 139) DX | a1010 | 1 |
| 39) FI | 580 | 5/0.25 | 93) FG | 840 | 1D | 139) DX | a1010 | 1 |
| 40) HP | 580 | 1/0.25 | 94) TQ | 850 | 10D | 140) TX | 1010 | 1/0.25 |
| 41) MU | 580 | 5/0.25 | 95) M | a850 | 5 | 141) VK | 1010 | 5/0.1 |
| 42) UE | a580 | 5 | 96) ZR | 850 | 1D | 142) WS | 1010 | 5/0.25 |
| 43) E | 590 | 1/0.15 | 72) MIA | 850 | 1D | 143) XL | 1020 | 1D |
| 44) FD | 590 | 5/0.25 | 12) US | °850 | 1 | 83) QR | 1030 | 10/1 |
| 45) HQ | 590 | 1/0.5 | 97) AL | 860 | 1D | 144) D | 1050 | 10 |
| **6) PH** | °**590** | **5** | 98) DU | a860 | 1/0.5 | 145) G | 1050 | **100** |
| 46) BB | a600 | 5/1 | 99) MO | 860 | 5 | 17) DP | °1060 | 50d |
| 47) DN | 600 | 1 | 100) NW | 860 | 1/0.25 | 146) GY | 1070 | 1/0.25 |
| 48) Z | a600 | 2 | 21) UN | °**860** | **45/25** | 147) IT | 1070 | 1/0.25 |
| 49) BX | 610 | 5/0.5 | 101) EM | 880 | 1D | 148) SP | 1070 | 5/1 |
| 50) CV | a610 | 1/0.25 | 102) TZ | 880 | 1 | 149) OD | 1090 | 1D |
| 51) EL | 610 | 1/0.15 | **16) W** | °**900** | **250** | 150) RB | 1090 | 50d |
| 52) GS | 610 | 1/0.5 | 16) WB | 900 | 5 | 151) WL | 1090 | 2.5D |
| 53) JA | 610 | 1/0.5 | 103) HO | 910 | 1/0.25 | 152) LEO | a1110 | 5 |
| 54) KZ | a610 | 1/0.5 | 24) BH | °920 | 5/1 | 153) OQ | a1110 | 1D |
| 55) UF | 610 | 5/1 | 104) BM | 920 | 5/1 | **16) CN** | °**1110** | **50d** |
| 56) BU | 620 | 5/0.25 | 105) CQ | a920 | 1/0.1 | 154) TR | 1120 | 1D |
| 57) CK | 620 | 1/0.1 | 106) MJ | 920 | 1/0.25 | 155) MR | 1140 | 1/0.5 |
| **58) MK** | **620** | **10** | 107) OK | 920 | 1/0.25 | 156) RM | 1150 | 1/0.5 |
| 59) OO | 620 | 1/0.25 | 108) OD | 920 | 1D | 157) GE | a1150 | 1D |
| 60) ACA | 630 | 5/0.25 | 7) U | °930 | 0.5 | **83) JP** | **1150** | **10d** |
| 61) FB | 630 | 5/1D | **22) Q** | °**940** | **50** | 158) JS | 1150 | 1/0.5 |
| 62) FU | 630 | 2/0.75 | 109) WV | 940 | 1D | 159) RM | 1150 | 1/0.5 |
| 4) JB | °630 | 0.5 | 110) GM | 950 | 3/2.5d | 160) XZ | a1150 | 1/0.2 |
| 63) RPS | 630 | 1/0.25 | 111) YJ | 950 | 1/0.1 | 162) RT | 1170 | 5D |
| 13) TS | °630 | 1/0.5 | 112) K | a960 | 5/1 | 163) IT | a1170 | 1/0.25 |
| 64) ZM | 650 | 5 | 113) CS | 960 | 1/0.1 | **164) FR** | **1180** | **1/0.25** |
| 65) RPM | 660 | 10/5 | 114) GB | 960 | 1/0.5 | 165) JET | 1190 | 1 |
| 66) FJ | 680 | 1/0.1 | 115) HK | 960 | 1/0.25 | 166) PZ | a1190 | 1D |
| 67) KQ | a680 | 5/0.5 | 116) OZ | 960 | 1/0.25 | 167) ZI | 1200 | 1D |
| 68) LG | 680 | 10/5 | 117) IQ | a960 | 1/0.1 | **22) B** | °**1220** | **100** |
| 69) ORO | 680 | 1 | 118) KS | a960 | 0.5/0.1 | 168) S | 1240 | 1/0.25 |
| 70) N | 690 | 20/5 | 119) ROO | a960 | 1/0.5 | 169) BN | 1240 | 1/0.25 |
| 71) TRA | 690 | 50D | 120) J | a970 | 10/5 | 170) BQ | 1240 | 1/0.25 |
| 72) AR | 700 | 1D | 121) O | 970 | 1 | 171) LD | a1240 | 1/0.1 |
| 73) BL | 710 | 5/0.25 | 122) CJ | 970 | 1 | 172) LM | 1240 | 1/0.25 |
| 23) MP | °710 | 1.0/5 | 123) MH | 970 | 1/0.1 | 11) MQ | °1240 | 1/0.25 |
| 74) ON | 710 | 2/1 | **22) DF** | °**970** | **10/5D** | 173) RZ | 1240 | 1/0.25 |
| 75) RL | 710 | 1/0.2 | 124) OW | 970 | 1/0.25 | 174) ZX | 1240 | 1/0.2 |
| 9) X | °730 | 50 | 36) VT | 970 | 5/0.4 | 175) DK | 1250 | 5/1 |
| 77) ZZ | 760 | 5D | 125) UG | 970 | 0.5D | 176) DL | a1250 | 1.0.5 |
| **78) ABC** | **760** | **5** | 126) KE | 980 | 1/0.25 | 177) JX | 1250 | 1/0.1 |

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 178) PI | 1250 | 1/0.1 | 221) TM | a1350 | 1 | 262) PP | 1450 | 1/0.25 |
| 179) SJ | 1250 | 1/0.5 | 222) Y | 1360 | 1/0.17 | 11)PY | 1450 | |
| 19) TF | °1250 | 0.5 | 223) DQ | 1360 | 1/0.1 | 263) VH | 1450 | 1/0.25 |
| **180) L** | **1260** | **10/1** | 225) OL | 1360 | 1/0.15 | 255) HX | 1460 | 1/0.26 |
| 11) MH | 1260 | 1/0.5 | 226) SA | 1360 | 1/0.5 | 264) JT | 1460 | 1D |
| 181) R | 1260 | 1/0.25 | 227) A | 1370 | 1 | 265) LX | 1460 | 10D |
| 182) ME | 1260 | 1/0.25 | 228) HF | 1370 | 5 | 8) XQ | °1460 | 0.25 |
| 183) OG | 1260 | 1/0.15 | 229) PA | a1370 | 5/0.25 | 266) TC | 1460 | 1 |
| 184) AX | 1270 | 5/0.5 | 230) XL | 1370 | 10/0.1 | 367) BBC | 1470 | 5 |
| 185) MW | 1270 | 1D | 231) GW | 1380 | 1/0.17 | 213) CU | a1470 | 1 |
| 186) NY | 1270 | 1/0.25 | 232) RK | 1380 | 1/0.5 | 268) DS | 1470 | 1/0.2 |
| 187) PV | 1270 | 1/0.25 | 233) OR | 1390 | 1 | 269) HI | 1470 | 1/0.25 |
| 188) ZU | 1270 | 1/0.25 | 234) TL | 1390 | 5/1 | **270) SM** | **1470** | **10/5** |
| 189) AG | 1280 | 1 | 235) GD | 1400 | 1/0.2 | 272) YA | a1470 | 1 |
| 190) AW | 1280 | 5/0.5 | 236) I | 1400 | 1/0.25 | 273) HM | 1380 | 1D |
| 191) BW | 1280 | 1/0.6 | 237) TO | 1400 | 1/0.25 | 274) PR | 1480 | 10/0.5 |
| 194) AP | 1290 | 1/0.1 | 238) NG | 1400 | 1/0.2 | 275) AL | 1490 | 1 |
| 20) DA | 1290 | 10/1 | 239) TY | 1400 | 5/0.2 | 276) DR | 1490 | 1/0.25 |
| 195) JL | 1300 | 1/0.25 | 240) VV | 1400 | 1/0.15 | 277) ED | 1490 | 1/0.25 |
| 197) LE | 1300 | 1/0.15 | 241) XB | 1400 | 10 | 278) FF | 1490 | 1/0.25 |
| 198) SW | 1300 | 1D | 242) AS | 1410 | 1/0.25 | 279) GT | 1490 | 1/0.25 |
| 199) XW | 1300 | 1/0.1 | 156) BF | 1410 | 1/0.25 | 281) TAA | 1490 | 1/0.2 |
| 200) AM | 1310 | 1/0.25 | **6) BS** | **°1410** | **5/1** | 282) VZ | 1490 | 1/0.2a |
| 201) BP | 1310 | 5/0.25 | 243) CF | 1410 | 1/0.5 | 283) BG | a1500 | 1 |
| 202) FH | 1310 | 1D | 224) TAB | 1410 | 5/0.5 | **25) RH** | **°1500** | **20D** |
| 203) HV | 1310 | 1 | 148) SP | 1410 | 1 | 284) SD | a1530 | 1D |
| 204) PO | a1310 | 1/0.25 | 244) XJ | 1410 | 1/0.5 | **6) UR** | **1530** | **5** |
| 15) RU | °1310 | 1/0.25 | 245) F | 1420 | 5/0.5 | 222) NC | 1540 | 1/0.25 |
| 138) TIA | 1310 | 1/0.25 | 246) H | 1420 | 1 | 285) BG | a1550 | 5 |
| 83) AI | **1320** | **10/1** | 247) EW | 1420 | 1D | 286) NU | 1550 | SD |
| 206) RJ | a1320 | 1/0.5 | 11) UP | 1420 | | 287) ZL | 1550 | 10 |
| 207) UH | 1320 | 1/0.1 | 248) WE | 1420 | 5/0.17 | 288) RMK | 1560 | 1/0.5 |
| 208) UI | 1320 | 1/ 0.5 | 249) WJ | 1420 | 1/0.25 | 289) RX | 1560 | 1/0.25 |
| 209) BO | 1330 | 1D | 250) XX | 1420 | 2 | 290) RF | 1570 | 250 |
| 210) FC | 1330 | 1 | 251) CZ | 1430 | 1/0.25 | 291) DM | 1580 | 50 |
| 211) RP | 1330 | 1/0.1 | 252) IG | a1430 | 1/0.1 | 292) LI | a1580 | 1/0.25 |
| 212) WQ | 1330 | 1D | 253) LL | 1430 | 1/0.25 | 293) NQ | 1580 | 1/0.5 |
| 214) JK | 1340 | 1/0.25 | 254) LY | 1430 | 1D | 294) QL | a1580 | 1/0.2 |
| 215) DKT | 1340 | 1/0.25 | 255) OX | 1430 | 5/0.5 | 255) NH | 1590 | 1/0.2 |
| 31) NV | 1340 | 1/0.25 | 256) WD | 1430 | 2/0.15 | **26) VOZ** | **°1590** | **10/5** |
| 217) OE | 1340 | 1 | 83) LZ | 1440 | 5/1 | 295) BZ | a1590 | 1D |
| 218) OM | 1340 | 1/0.25 | 10) CM | a1450 | 1/0.25 | 296) KB | 1590 | 1/0.15 |
| 116) OZ | 1340 | 1/0.25 | 257) GC | a1450 | 1 | 297) AE | a1600 | 50 |
| 20) QK | °1350 | 1 | 259) JD | 1450 | 1/0.25 | + 148 stations less | | |
| 220) TB | 1350 | 5/0.5 | 261) NA | 1450 | 1/0.5 | 1kW not mentioned. | | |

## PRINCIPAL BROADCASTING NETWORKS

A) **Radio Programas de Mexico** (with 73 affiliated st's) – **ADDR:** Bucarelo 109, 4° piso, México, **DF. Te:** 464972. **Telex:** 017815. **L.P:** Pres: C. Serna Martinez. Gen. **Mgr:** A. Eufracio O. Dir. Tec: S. Pang B. Dir. Prgr: H. G. Rivera.

**Owned and operated st's:** XEX, México City (with all sw, FM and rel. st's); XERPM 660kHz, México City; XEDK 1250kHz, Guadalaiara, Jal; XEMR 1140kHz, XENL 860kHz, XENJ 1480kHz Monterrey NL; XER 1260kHz Linares, NL; XEVM 960kHz Montemorelos,

B) **Radio Cadena Nacional** (with 65 affiliated st's) – **ADDR:** Vallarta 1,6° piso México, 4, DF. **Te:** 469648 – **L.P:** Dir. Gen: R. Cutberto Navarro. Dir. Tec: E. Diaz G – Key st: XERCN 1110kHz, México City. Other st's: XEACM 1110kHz Campeche; XELEO 1110kHz León – **D.Prgr:** All st's 12.00–06.00 – V. 7eports not wanted.

**The Mexican Gov. requires all st's to carry "La Hora Nacional del Gobierno Méxicano" every Mon 04.00–05.00.**

**Short Waves:**

1) Dirección General de Educ. del Estado Chilpancingo, Guerrere.
2) Sria de Educación Pública, Dirección de Asuntos Indígenas Sección Administrativa. México DF (tr. at Semachique, Chih.)
3) Av. Cerro de los Torres 395, México 21, DF. **Te:** 49-35-00. **Cable:** Uni-Bero – **L.P:** Dir. Gen: F. Xavier Mena Ortiz. Dir: D. Chavez Meneses. **Ann:** "XEJN-OC Cultural, Huayacocatla, Ver".
4) Gobierno del Estado de Jalisco, Casa de la Cultura, Guadalajara. **L.P:** Dir. Gen: F. R. González. Dir. Tec: E. Beas.
5) Zaragoza 84, México, DF (Tr. at Sisoguichi, Chih.)
6) Insurgentes Sur 1870, México, D.F. **Te:** 242868. **L.P:** Dir. Gen: E. Guillermo Salas. Gen. Mgr: C. Flores. Dir. Tec: S. Carrasco. **D.Prgr:** mw 24 h. **N:** 13.30, 14.30, 16.00, 18.00, 20.00, 21.00, 22,00, 01.00, 02.00, 03.00, 04.25. **Ann:** "XEOY y XEOI, Radio Mil de la Ciudad de México". V. by letter. **FM:** 100.9MHz 10kW.
7) Av. Independencia 230, Veracruz, Ver. **L.P:** Dir. Gen: F. Pazos S. Dir. Tec: F. Pazos de la Torre. **D. Prgr: N:** 10.00. **Ann:** "XEU de Veracruz y XEUW E! Eco de Sotavento". V. by letter. Recordings accepted.
8) Apt. Postal 456, San Luís Potosí. **Te:** 2-52-52. **L.P:** Dir. Gen: C. Martinez Bravo. Dir. Tec: J. de la Luz Lomeli. **D.Prgr:** W 16.00–05.00, Sun 13.00 – 01.00. **English lessons:** W 17.40, 23.40. **Ann:** "Escucha Usted a R. Universidad XEXQ 1460 kc y XEXQOC en 6045kc en la Ciudad de San Luis, Potosi, República Mexicana". **Int.-Sig:** Marimba.
V. by QSL-card and letter. Recordings accepted. **Pub:** Prgr. schedule free.
9) Rio de la Loza 196, México, DF. **L.P:** Dir. Gen: M. O'Farrill. Dir. Tec: Ing. F. Solis. XEX rel st's (all on 730kHz): León (G to) 100/50kW, Veracruz (Ver) 1kW and 5 st's of 0.5kW at Monterrey (NL), Saltillo (Coah), Torreon (Coah), Guadalajara (Jal), San Luis Potosi (SLP). **D.Prgr:** 12.00—06.00. **N:** 12.30, 12.55, 20.30, 05.00, 05.55; W 14.00, 17.00; Thurs-Sun 00.30, 01.00; Thurs-Sat 04.15; also every 15 min (short bulletins). **Ann:** "Desde México, XEX en el 730 de su radio, canal internacional y sus estaciones en León, Veracruz, Monterrey, Saltillo, Torreon, Guadalajara y San Luis Potosi". V. by QSL-card or letter.
10) Apt. Postal 79, Ci Mante, Tams. **L.P:** Dir. Gen: R. Lopez Mendez. Dir. Tec: L. Fernandez C. **Ann:** "Escuchan ustedes a XECM onda larga y XECMT onda corta, operando por una vida mejor en el campo de México transmitiendo simultaneamente desde Ciudad Mante, Tamaulipas, México". V. by letter.
11) Apt. Postal 217, Merida, Yuc. **Te:** 4071. **L.P:** Dir. Gen: R. Dominguez L. Dir. Tec: H. Padron M. **N:** Every h on the h. V. by letter – XEMH: R. Merida, Ca. 58 No. 493, Merida Yuc – XEUP: R. Tizimin, XEPY: R. Armonia.
12) Universidad de Sonora, Hermosillo, Son. **Te:** 36950. **L.P:** Dir. Gen: Ing. M. R. Canale. **Dir. Prgr's:** H. Estavillo M. **Ann:** "Esta es R. Universidad de Sonora, transmitiendo a través de sus estaciones XEUS y XEUDS desde la Universidad de Sonora, en Hermosillo, Sonora, México". E: "This is R. University of Sonora, broadc. on 850 and 6115kc through its st's XEUS and XEUDS from the campus of the University of Sonora, at the city of Hermosillo, State of Sonora, Republic of Mexico". V. by QSL-card and letter. Recordings accepted.
13) Apt. 57, Tapachula. **Te:** 1836. **L.P:** Dir: C. Lopez A. Dir. Tec: R. Marin. **V.** by QSL-card. Recordings accepted.
14) Apt. Postal 7892, México, DF. **L.P:** Dir. Gen: R. Cutberto Navarro. Mgr: E. Nassar Jr. Dir. Tec: E. Diaz G. **D.Prgr:** 11.00–06.00. **N:** every 5 min before the h. **Ann:** "Aqui México . . . XERCN, Estación Piloto de R. Cadena Nacional . . .". V. by letter.
15) Domicilio Conocido, Chihuahua, Chih.
16) R. Cadena Nacional, S.A., Apt. M-7892, México 4, DF. **Te:** 469648. **L.P:** Dir. Gen: D.R. Cutberto Navarro. Dir.: M. Vazquez G. Dir. Tec: E. Diaz G. Dir. Adm: G. Lopez A. **D.Prgr:** 12.00 – 05.00 on 900/ 6165/9515kHz (Relay st: XEWA, XEWB, XEWK, XEWA). **N:** 12.30, 13.35, 14.00, 14.45, 19.30, 20.30, 01.40, 04.20, 04.25, 05.30, 06.00. **Ann:** "XEW y XEWW, La Voz de la América Latina desde México, RCN, La Cadena Nacional, la que le gusta a Usted". V. by letter.
17) Ca. de Bucareli, México, DF (inactive both sw and mw).
18) Instituto Federal de Capacitación del Magisterio, Dr Jimenez 244, México, DF.
19) Apt. Postal 74, Veracruz, Ver. **Te:** 2-22-50. **L.P:** Dir. Gen: J. de Dios Rodriguez D. Dir. Tec: L. Martinez. **N:** 13.15, 14.55, 03.15, and 5 min before each h to 05.55. **Ann:** "La Voz de Veracruz". V. by QSL-card.
20) Tiber 100, 9° piso, México 5, DF. **Te:** 110814. **L.P:** Dir. Gen: G. Morales B. Dir. Tec: F. Gomez B. **D.Prgr:** 24 h. **Ann:** "XEQK, Emisoras de la Hora Exacta del Observatorio Astronomico Nacional". V. by letter. **Re.** in Sp, E, G, F. Recordings accepted.
21) Oficinas Técnicas, Ci. Universitaria, Mexico 20, DF. **Te:** 281157. **L.P:** Dir. Gen: J. Gutierrez H. Dir. Tec: O. Velazquez. Dir. Prgr: R. Lopez M. **L.L:** 16.00 (French), 01.00 (English). **Ann:** "Esta es R. Universitaria Nacional de México transmitiendo simultaneamente en 860kc onda larga, 9600kc onda corta y 96.1Mc de FM". V. by letter. Recordings accepted.
22) Dr. Rio de la Loza 182,2° piso, México, DF. **Te:** 18-52-00. **L.P:** Dir. Gen: D. Pastrana D. **D.Prgr:** XEB/XEQ/XEDF (mw): 12.36–09.16. **N:** every h on the h; on XEQ special music and news prgr. at 05.00–06.00. **Ann:** On XEB: "En el 1220 de su radio, esta es XEB" or "Desde México, XEB en el 1220 de su radio, canal libre internacional". On XEQ: "XEQ desde México", V. by QSL-card or letter.
23) Quemada 40, México. DF.
24) P.O. Box 68, Hermosillo, Son. **L.P:** J. Agraz N. **D.Prgr:** (mw) 12.00–05.00. **N:** every h on the h. **Ann:** "XEBH, El Heraldo de Sonora desde Hermosillo". V. by letter. (St's 24, 45, 187, 259 & 274 from Cia. Radiofonica de Poza Rica).
25) A.R.S.E. S.A., Quemada 40, Col. Navarte, México, DF. **L.P:** Mgr: H. Fernandez L. **D.Prgr: N:** 13.31, 20.45, 00.15 ,04.00.
26) Paseo de la Reforma 174, 90 Piso, MéxiCo, DFQ

**Medium Waves:**

27) **R. XEKL,** Zamora, 12, Jalapa, Ver.
28) **R. Mexicana de Mérida,** Ca. 64, No. 526, Mérida, Yuc.
29) **R. XEUC,** Hidalgo 19, Tehuantepec Oax.
30) **R. XEOC,** Av. Chapultec 471, Mémico, D.F.
31) **R. Fiesta (XEBJB) & R. Alegria (XENV),** Ave. Madero Ote. 111A. Monterrey, NL.
32) **R. XELQ,** Morelos Nte 68, Morelia, Mich.
33) **R. Impulsora de Culiacán,** Blvd. 50, Oriente, Culiacan, Sin.
34) **R. Oaxaca,** C. Bustamente 17, Oaxaca.
35) **R. XETJ,** Av. Lerdo de Tejada 1564, Torreón, Coah.
36) **R. XEVT/XEVX,** XEVT: Zaragoza Sur 3, Villahermosa, Tabasco: XEVX: Morelos 58, Comalcalco. **D.Prgr:** 11.00–05.00 (XEVX 12.00–04.00).
37) **R. Guadalajara,** Av. Vallarta 1458, Guadalajara, Jal. **D.Prgr:** 12.00–07.00.

38) **R. XEDZ,** Av. 3 No. 551, Cordoba, Ver.
39) **Pregonero del Edo de Chihuahua,** Libertad, 1302, Chihuahua.
40) **R. XEPH,** Ca. 14 No. 150, Ci. Victoria, Tams.
41) **R. XEMU,** Carranza 3, Piedras Negra, Coah.
42) **La Voz de Chipas,** Ca. Central 5, Tuxtla Gutiérez, Chis.
43) **R. XEE,** 20 de Noviembre 122, Pte. Durango, Dgo.
44) **R. XEFD,** Carretera a Matamoros, Rio Bravo, Tams.
45) **R. Hermosillo,** Rosales y Vildesoida, Hermosillo, Son.
46) **R. Acapulco,** Morelos 3, Acapulco, Gro.
47) **R. Dif. del Norte,** Av. Juárez 1465, Pte. Torreón, Coah.
48) **La Voz de la Peninsula,** Ca. 56 No. 508, Merdia, Yuc. **D.Prgr:** 13.00–01.00.
49) **R. Coahuila,** Av. Carranza 164, Sabinas, Coah.
50) **R. XEXV,** Francisco I, Madero 35, Ci. Valles, S.L.P.
51) **R. Dif. XEEL,** T. Larrey 4, Fresnillo, Zacatecas.
52) **R. Guasave,** Zaragosa 45, Guasave, Sin.
53) **R. XEJA,** Pasaje Tanos, Ca. Enriques, Jalapa, Ver.
54) **La Voz del Istmo Tehuantepec,** D. Conocido, Tehuantepec, Oax.
55) **R. XEUF,** Portal Carillo 8, Ddif. Silva, Uruapan, Mich.
56) **R. XEBU,** V. Carranza 1816–18, Chihuahua, Chih.
57) **R. Dif. XECK,** 20 de Noviembre y Victoria, Durango, Dgo.
58) **R. 620,** Balderas 32, México, DF. **L.P:** Dir. Gen: V. Blanco R. **D.Prgr:** 13.00–06.00.
59) **R. XEOO,** Lerdo 197, Pte. Tepic, Nayarit.
60) **R. Pacifico,** Acapulco, Gro.
61) **Emis. Incorporadas de Monterrey,** 5 de Mayo 119, Monterrey, NL. **D.Prgr:** 12.00–16.00. **N:** Every half h.
62) **R. XEFU,** Hidalgo 36, Cosamaloapan, Ver.
63) **R. Ranchito,** A. Flores 362, Mazatlán, Sin. **L.P:** Dir: L. Pantoja P.
64) **La Voz del Comercio del Zamora,** 5 de Mayo 730, Zamora, Mich.
65) **R. XERPM,** Dr. Rio de la Loza 56, México, DF.
66) **R. XEFJ,** B. Juárez 86, Teziutlan, Pue.
67) **R. Soconusco,** Parque Infantil, Tapachula, Chipas.
68) **R. Impulsora del Centro,** Paseo de los Insurgentes 1, Léon, Gto.
69) **R. R. XEORO,** Apt. Postal 61, Guasave, Sin.
70) **R. XEN,** Zacatecas 229, Condom, Yucatan, México DF.
71) **R. del Pacifico,** Esq. Lerma y Bravo, Tijuana.
72) **R. XEAR** (Zapopan) & **XEMIA** (Chalapa), Ave. Colon 115, Guadalajara, Jal. **D.Prgr: N:** every half h.
73) **R. Dif. XEBL,** Blvd. 5 Febrero 50, Culiacán, Sin.
74) **R. XEON,** Av. Norte 2, Tuxtla, Gutierréz, Chis.
75) **La Voz Costena desde Colima,** 27 de Septiembre 328, Colima.
77) **R. XEZZ** Av. Juárez 595-2, Guadalajara **D.Prgr:** 13.00–01.00.
78) **R. fónica de México,** S. A, Plaza de los Ferrocarriles 5, México, DF.
79) **R. XEBI,** Madero 310, Aguascalientes, Ags.
80) **R. XEFE,** Aldama 2611, Nuevo Laredo, Tams.
81) **R. XEGZ,** Apt. Postal 6, Ci. Lerdo, Dgo.
82) **R. XENT,** Apt. 105. La Paz, BC.
83) Articulo 123, No. 90. México, DF. **XERC:** R. Popular de México. **XEQR:** Corporación Mexicana de Radio. **XEPJ:** R. América. **XEAI:** R. Aeropuerto. **XELZ:** R. Variedades. **D.Prgr:** 12.30–08.30.
84) R. TV Parral, Hotel Victoria, Chihuahua, Chih.
85) **R. XESU,** Edif. Bertha, desp. 222, Mexicali, BC. **D.Prgr:** 05.00–17.00.
86) **R. Tabasco,** Av. Pino Suarez 24A, Villahermosa, Tab.
87) **R. Ocotlán,** Madero 42, Ocotlán, Jal.
88) **R. Dif. Continental,** Mérida 1155, Ci. Juarez, Chih.
89) **R. XEFW,** Madero 416, Ote. Tampico, Tams. **L.P:** Dir: V. Florest. **D.Prgr:** 12.00–04.00.
90) **R. XEUX,** Hidalgo y Progreso, Tuxpan, Nayarit.
91) **R. Fortin,** Apt. Postal 4, Fortin de las Flores.
92) **R. Metropolitan,** Paseo de la Reforma 139, México, DF.
93) **R. Dif. XEFG,** Independencia y Madero, Cely, Gunajuato. **L.P:** Dir: R. Olivares G.
94) **R. XETO,** Oriente 4 No. 5-B, Orizaba, Ver.
95) **R. XEM,** Indepencia 1221, Chihuahua, Chih.
96) **R. XEZR,** Matamoros 18, Zaragoza, Coah.
97) **R. Dif. XEAL,** N. Heroes 670, Manzamillo, Col.
98) **R. XEDU,** 20 de Noviembre 105, Pte. Durango, Dgo.
99) **R. XEMO,** Durango 10, Tijuana BC.
100) **R. XENW,** Matamoros 14, Culiacán, Sin.
101) **R. Dif. XEEM,** Aldama 55, Rio Verde, S.L.P.
102) **R. XETZ,** Tequila, Jal.
103) **R. XEHO,** No Reelección 224, Ci. Obregon, Son.
104) **R. XEBM,** Jardin Hidalgo 15, San Luis Potosi, S.L.P.
105) **R. Culiacán,** Escobedo 226, Pte. Culiacán, Sin.
106) **R. XEMJ,** Zaragoza Sur 607, Piedras Negras, Coah.
107) **R. XEOK,** Xicotencatl 1051, Monterrey, NL.
108) **R. Dif. XEQD,** Ca. Victoria 319, Chihuahua, Chih.
109) **R. XEWV,** Av. Madero 420, Mexicali, BC.
110) **R. XEGM,** Av. "G" 185, Tijuana, BC.
111) **Televisión Nortena,** Apt. Postal 16, Nueva Rosita, Coah.
112) **El Pregonero del Bravo,** Dr. Mier 2223, Nueva Laredo, Tam. **D.Prgr:** W 12.00–04.00, Sun 14.00–20.00. V. by letter.
113) **R. XECS,** Zaragoza y Allende Manzanillo, Col.
114) **R. XEGB,** 3a Hidalgo 37, Coatzacoalcos, Ver.
115) **R. XEHK,** P. Moreno 315, Desp. 203–205, Guadalajara, Jal.
116) **R. Dif. XEOZ,** Paseja Enriques Local F, Jalapa, Ver.
117) **R. XEIQ,** Sinaloa 418 Sur, Ci. Obregon, Son.
118) **R. XEKS,** A. Zaragoza Lado Nte, Saltillo, Coah.
119) **R. Cif. XEROO,** La Voz de Quintana Roo, Chetumal, Quintana Roo.
120) **Mexican Broadc. Co,** Constitución 402, Ci. Juárez, Chih.
121) **R. El Callo,** Ca. Novena 95 entre Bravo y Bustamente, Matamoros Tams.
122) **R. XEJC,** Apt. Postal 106, Apatzingan, Mich.
123) **R. Mérida,** Ca. 62 No. 526, Mérdia, Yuc.
124) **R. XEOW,** L. Valle y Aquiles Serdan, Mazatlán, Sin.
125) **Univ. de Guanajuato,** Guanajuato, Gto.
126) **R. Navojoa,** Morelos y Toledo, Navojoa, Son.
127) **R. XELC,** Av. Madero 116, La Piedad.
128) **XENR,** Juárez 6, Altos, Nuvea Rosita, Coah.
129) **R. Tampico,** Ca. Muelle y S. Díaz, Tampico, Tams. **D.Prgr:** 12.00–06.00.
130) **Radiófonica de Nayarit,** Veracruz Nte 125, Tepic, Nay.
131) **El Pregonero del Norte,** 15 de Mayo Ote 650, Monterrey, NL. **L.P:** Pres: A. Garza. L. Gen. Mgr: Lic. L. Gutierrez N. **D.Prgr:** XET: 12.00–06.00, XEJM: 13.00–05.00. **N:** every half h.
132) **R. Ciudad Guzmán.** Artes 53 y 57, Ci. Guzmán, Jal.
133) **R. XECL,** Av. Madero 621, Mexicali, B.C.
134) **R. Dif. XEHZ,** Carret Transpeninzular Km 5, La Paz, BC.
135) **R. Tropical,** Detrás Fortaleza Militar, Mtz. de la Torre, Ver.
136) **R. Dif. XEFV,** Maxtla 519, Ci. Juaréz, Chih.
137) **R. XEFM,** J. B. Lobos 51, Veracruz, Ver.
138) Sector Hidalgo, Ca. 10 No. 183, Guadalajara.
139) **R. XEDZ,** Ensendad, BC.
140) **R. Casas Grande,** Av. P. Diaz y Minerva 400, Nuevo Casa Grandes, Chih.
141) **Emisoras de Torreón,** Av. Juaréz 1465, Torreón. Coah.
142) **R. XEWS,** Rubi 57, Nte, Depto. 1, Culiacán, Sin.
143) **R. Dif. XEXL,** Portal Artega 2, Patzcuaro, Mich.
144) **R. XED,** Edif. Bertha, desp. 222, Mexicali, BC.
145) **La Voz de Norteamérica,** Hidalgo 426, Ote. Monterrey, NL. **D.Prgr:** 24 h. **English:** 0030–12.00.
146) **R. Tehuacán,** Av. Libertad 113-A, Tehuacán, Pue.
147) **R. Dif. XEIT,** Av. Ultimo Paseo y Ca. 43, Ci. del Carmen, Campeche.
148) **R. Impulsora de Occidente,** Av. 16 de Septiembre 520, Guadalajara, Jal.
149) **R. Juventud,** Fdif. Loteria Nacional, Desp. 401, Veracruz, Ver.
150) **Interamericana de Radio,** Edif. Calif. desp. 2, Tijuana, BC.
151) **R. Laredo,** Matamoros y P. Suárez, Nuevo Laredo, Tams.
152) **R. Sistema del Bajio,** León, Gto.
153) **R. Dif. XEOQ,** Apt. Postal 301, Rio Bravo, Tams.
154) **R. XETR,** Laredo 29 Sur, Ci. Valles, S.L.P.
155) **Propulsora del Radio,** Madero y Venustiano Carranza, Monterrey, NL.
156) **R. Dif. XEBE,** Av. Hidalgo Pte. 309, San Pedro de las Colónias, Coah.
157) **R. Comercial de Baja California,** Ley de Alfabetizacion 257, Mexicali, BC.
158) **R. XEJS,** Colegio 14, Hidalgo del Parral, Chih.
159) **R. XERM, Mexicali.**
160) **La Voz de Zacatecas,** Miguel Auza 8, Zacatecas F.
162) **R. Televisora Siglo XX,** Apt. Postal 52, Reynosa, Tams.
163) **R. Carmen,** Av. Ultimo Paseo y Ca. 43, Ci. Carmen, Cam.
164) **R. XEFR,** Col. Viaducto, Piedad, Mexico, DF.
165) **R. Triunfo,** Villa de Guadalupe, NL.
166) **R. Dif. XEPZ,** Ci. Juarez, Chih.
167) **R. Dif. XEZI,** Apt. Postal 16, Zacapu, Mich.
168) **R. Televisora de Tampico,** Diaz Miron 310, Tampico, Tams.
169) **R. Delicias,** Av. 4a y Ca. 4a Norte, Ci. Delicias, Chih.
170) **R. XEBQ,** Av. Serdan y Ca. 22, Guaymas, Son.
171) **R. XELD,** Ceret, Guadalajara-Barra de Navidad Km 189, Autlan de Navarro, Jal.
172) **XELM,** Tuxtla, Gutiérrez, Chis.
173) **R. Television del Bajio,** Edif. "Sears", León, Gto.
174) **R. XEZX,** Tenosique, Tab.
175) **R. Televisora de Jalisco,** 16 de Septiembre 456, Guadalajara, Jal. V. by letter. Rp.
176) **R. XEDL,** Angel Flores 26, Ptes, Hermosillo, Son.
177) **R. Emis. Querétana,** Av. Zaragoza Pte. 15, Queretaro, Qro.
178) **R. XEPI,** Carretera Chilapa y Las Frondas, Tixtla, Gro.
179) **R. Saltillo,** M. Acuna Sur 102, "C", Saltillo, Coah.
180) **R. Impulsora Herdez,** Av. Reforma 400, Desp. 701, México, DF. **D.Prgr:** 24 h. **English:** 13.00, 02.00, 04.00,
181) **R. Linares,** Carretera Nacional México Laredo, Linares.
182) **R. XEMF,** Zaragoza 158, Monclova, Coah.
183) **R. Dif. XEOG,** Libertad 1302 altos, Chihuahua, Chih,
184) **R. XEAX,** Av. M. Garcia Vigil 5, Oaxaxa, Oax.
185) **R. Dif. XEMW,** Apt. Postal 1203, San Luis Rio Colorado, Son.
186) **R. XENY,** Campillo y Fenichio, Nogales, Son.
187) **R. XEPV,** Minal, Papantla de Olarte, Ver. **D.Prgr:** 13.00–03.00.
188) **Promotores de Radio,** Madero 15, Zacapu, Mich.
189) **R. XEAG,** Av. Uno 590, Córdoba.
190) **R. XEAW,** Parioutin 316, Monterrey, NL. **D.Prgr: N:** Every half h.
191) **R. Emis del Norte,** Av. V. Carranza 514, Chihuahua, Chih.
194) **R. XEAP,** Sinloa 206, Ci. Obregón, Son.
195) **R. XEJL,** Independencia 27, Guamuchil, Sin.
197) **R. XELE,** Muelle 304, Sur, Tampico, Tams.

198) **R. Dif. XESW**, Carret Madera, Ci. Madera, Chih.
199) **R. XEXW**, Obregón 51, Nogales.
200) **R. XEAM**, Carretera, Matamoros, Victoria, Matamoros, Tams.
201) **La Voz de la Laguna**, Cepda Sur 409, Torreón, Coah.
202) **R. XEFH**, Ca. 5a y Av. Panamericana, Agua Prieta, Son.
203) **R. XEHV**, Edif. Virginia, Desp. 4 y 5, Veracruz, Ver.
204) **Ondas Populares**, V. Carranza 4-A, San Luis Potosí.
206) **R. Mazatlan**, M. Escobedo y B. Dominguez, Mazatlan, Sin.
207) **R. XEUH**, Tuxtepec, Oax.
208) **R. XEUI**, Hotel Los Lagos, Comitan, Chis.
209) **R. XEBO**, Morelos y 5 de Mayo, Irapuato, Gto.
210) **R. XEFC**, Ca. 64 No. 498, Merida, Yuc.
211) **R. XERP**, A. Obregón y 2 de Enero, Ci. Madero, Tams.
212) **R. XEWQ**, Hidalgo 229, Nte. Monclovia, Coah.
214) **La Voz de Delicias**, Av. Agricultura y Ca. 4a No. 605, Delicias, Chih.
215) **R. XEDKT**, L. Cotilla 769, Guadalajara, Jal.
217) **R. XEOE**, Tapachua, Chis.
218) **R. XEOM**, Zaragoza y Corregidora, Coatzacoales, Ver.
220) **R. Laguna**, Apt. 225, Torreón, Coah.
221) **R. XETM**, Av. Fco. I. Madero 26, Naco, Son.
222) **R. XEY/XENC**, Tres Guerras 44, Celaya, Gto.
223) **R. XEDQ**, Constitucion 7, S. Anorés, Tuxtla, Ver.
224) **R. XEKF**, Altamirano 21, Iguala, Gro.
225) **R. XEOL**, Teziutlán, Pue.
226) **La Voz de Sinaloa**, M. Escobedo Pte 65, Culiacán, Sin.
227) **R. XEA**, Ca. 12 No 110, Campeche, Cam.
228) **R. Com. Sonorense**, Ca. Elias 10, Nogales, Son. V. by QSL-card.
229) **R. Dif. XEPA**, Ca. 7 Pte 102, Puebla, Pue.
230) **R. XEXL**, Lote 14, Colonia Morelos, Patzcuaro, Mich.
231) **R. XEGW**, 13 Hidalgo y Juárez, Ci. Victoria, Tams.
232) **R. XERK**, Av. México 224, Nte, Tepic, Nay.
233) **R. El Callo**, P. J. Mendéz 154 Ote, Reynosa, Tams.
234) **R. XETL**, Av. Morelos 3, Tuxpan, Ver.
235) **R. Dif. XEGD**, M. Herrera 79, Hidalgo del Parral Chih.
236) **R. XEI**, Portal Hidalgo 213, Morelia, Mich.
237) **R. Tiempo**, Emilio Carranza 320, Ote, Tampico, Tams.
238) **R. XENG**, Moctezuma 2, Huauchinanga, Pue.
239) **R. XETY**, Ceror de Ortega, Tecoman, Col.
240) **R. XEVV**, Chiapa de Corzo, Chis.
241) **Universidad Vercruzana**, Domicillo Conocido, Jalapa, Ver.
242) **R. XEAS**, Mina 5037, Nuevo Laredo, Tams.
243) **La Voz del Valle del Fuerte**, Av. Obregón 581, Los Mochis, Sin. **L.P:** Dir: F. Pérez A.
244) **R. Televisora Tabascueña**, Av. Juárez 15, Villahermosa, Tal.
245) **R. XEF**, Pasaje R. Corona 2, Ci. Juarez, Chih.
246) **R. Monterrey**, 5 de Mayo 110, Monterrey, NL.
247) **R. XEEW**, Edif. Card. Galván, Matamoros.
248) **R. Irapuato**, Apt. Postal 118, Irapuato, Gto. **D.Prgr:** 11.30-05.30.
249) **R. Dif. XEWJ**, Reforma 205-C, Tehuacan, Puebla.
250) **R. XEXX**, Revolución y Octava, Tijuana, BC.
251) **R. Mexicanas**, Jardin Hidalgo 16, San Luis Potosí.
252) **R. Dif. XEIG**, Aladama 14, Iguala, Gro.
253) **R. XELL**, Av. Independencia 231, Veracruz, Ver.
254) **R. XELY**, Morelos Nte 68, Morelia, Mich.
255) **R. XEOX**, Veracruz 63 Sur, Ci. Obregón, Son. **XEHX**: N. Héroes 219, Ci. Obregón. **XENH** (Tr. at Escuinapa, Sin).
256) **R. Dif. XEWD**, Ca. Sexta 702, Ci. Miguel Aleman, Tams. **L.P:** Dir: M. Becerra G.
257) **R. XEGC**, Constitución 165, Sahuayo, Mich.
259) **R. XEJD**, 20 de Noviembre 54, Poza Rica, Ver. **D.Prgr:** 12.00–04.30.
261) **R. Emis. Querétana**, Av. Zaragoza Pte 15, Querétaro, Qro.
262) **La Voz de Orizaba**, Poniente 7 No. 57, Orizaba, Ver.
263) **R. XEVH**, Ca. Hidalgo, Villa Hermoso, Tams.
264) **R. XEJT**, D. Mirón 106, Tampico, Tams.
265) **R. XELX**, Av. Revolucion 194, Zitacuaro, Mich.
266) **R. XEYC**. Av. 16 de Septiembre, Ci. Juárez, Chih.
267) **R. XEAU**, Apt. Postal 111, Tijuana, BC.
268) **R. Colima**, Apt. 147, Colima.
269) **R. Dif. XEHI**, Ca. Séptime 105, Ci. Miguel Aleman, Tams.
270) **R. Dif. Com. XESM**, Rebsaman 241, Col. Narvarte, Mexico, DF.
272) **R. XEYA**, Irapuato, Gto.
273) **R. Dif. XEHM**, Ci. Delicias, Chih.
274) **Radiofonica de Poza Rica**, Ca. 6 Nte 2, Poza Rica. **D.Prgr** 12.00-04.00.
275) **R. XEAL**, B. Dávalos 17, Mancanillo, Col.
276) **R. XEDR**, Av. Serdán 283, Altos, Guaymas, Son.
277) **R. Dif. XEED**, Grania "El Brillante" Ameca, Jal.
278) **R. Dif. XEFF**, J. de los Reyes 15, Matehuala, S.L.P.
279) **R. Zamora**, 5 de Mayo Sur, Zamora, Mich. **L.P:** Dir: M. A. Sánchez.
281) **R. Torreón**, A. Norte con N. Mendoza, Torreón, Coah.
282) **R. XEVZ**, Enriques 18, Acayucan, Ver.
283) **R. XEMS**, Ca. Abasolo 62, Matamoros, Tams.
284) **R. Dif. XESD**, Bucareli 109, Mexico, D.F.
285) **R. XEBG**, Av. "C" 225, Altos, Tijuana, BC.
286) **R. XENU**, Av. Madero 2201, altos, Nuevo Laredo, Tams.
287) **R. XEZL**, Pasaje Revolución Local 5, Jalapa, Ver.
288) **R. XERMK**, Ci. Satelite, Est. de Mexico.
289) **R. XERX**, Morelos 104, Salamanca, Gto.
290) **Cia R. Dif. de Coahuila**, Camino a San Carlos, Ci. Acuña, Coah.
291) **R. Pacifico**, Matamoros, Hermosillo.
292) **La Voz del Sur**, Km 213, Carretera México-Acapulco, Chilpancingo, Gro.
293) **R. Tulancingo**, Av. Juárez Sur 200-3, Tulancingo, Hgo.
294) **R. XEQL**, Apt. Postal 40, Zamora, Mich.
295) **La Voz de Meoqui**, Av. 6a Nte. 402, Ci. Delicias, Chih.
296) **Promotriz Radiofonica**, Av. 16 de Septiembre 130, Guadalajara, Jal.
297) **R. XEAE**, Guerrero y Ocampo 450, Ci. Acuñz, Coah.

## NETHERLANDS ANTILLES

**L.T:** GMT – 4h – **Pr.L:** Papiamento, Dutch, English, Spanish French, Portuguese.

### CURACAO

**GOVERNMENT RADIO & TELEGRAPH ADMINISTRATION**
**ADDR:** P.O. Box 103, Curaçao. **Te:** 11500 **Cable:** "Gentel"
**RADIO CUROM** (Foundation: "Curacaosche R. Vereeniging" – non profit foundation).
**ADDR:** P.O. Box 31, Willemstad, Curaçao. **Te:** 12555. **Cable:** Curaver.
**STATION** (System: RCA): PJC-2 855kHz 5kW.
**HOME SCE:** W 10.30–03.00. Sun 13.00–17.00, 20,00–03.00.
**Dutch:** 10.30–20.00 (Sun 13.00–17.00), 22.30–03.00. **N:** 11.00, 12.00, 14.30*, 16.30, 22.30**, 23.00, 02.00 – **Papiamento:** 20.00–22.30 (Sun 20.00–21.00). **N:** 16.00, 22.00 – * exc. Sat, ** Sun only.
**ANN:** "This is R. Curom in Willemstad, Curacao Neth. Antilles". Dutch: "Hier is de Curom te Willemstad op Curacao op een frequentie van 855kc perioden per sec. dat is 350.08 meter". Papiamento: "Aki ta Curom na Willemstad Corsouw riba su freq. di 855 kp. por sec. igual na 350.08 meter" – **INT-SIG:** Part of the Curom-march, played by a big band – **V.** by letter. **Rp – FI:** by adv and donations of members.

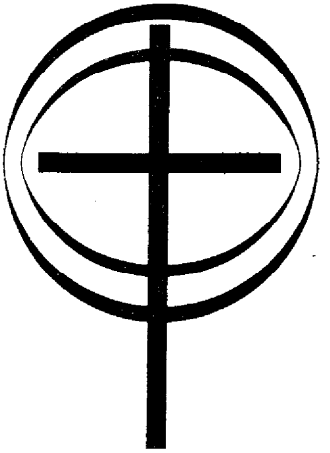
**RADIO HOYER (Cultural, Comm.)**
**ADDR:** Julianaplain 21, Willemstad. **Te:** 11673. **Cable:** Radioyer. **L.P:** Dir. Gen: H. E. Hoyer.
**STATIONS:** PJC7-1 1010kHz; PJC7-2 1500kHz; PJB2 1385kHz (all 1kW).
**HOME SCE:** W 09.30–04.30, Sun 12.30–03.30. Spanish/Papiamento on 1010kHz; Dutch/English on 1500kHz; Spanish/Papiamento/Dutch/English on 1385kHz: W 11.30–18.30, 22.30–02.30. Sun 14.30–17.30, 22.30–02.30.
**ANN:** English: "This is station PJC7 R. Hoyer transmitting on . . . "– **V.** by QSL-card – **FI:** Hoyer 1 and 3 by adv. Hoyer 2 on cultural basis.

**RADIO CARIBE (Comm.)**
**ADDR:** Nieuwestraat 22B, Willemstad. **Te:** 12801. **Cable:** R. Caribe – **L.P:** Dir. Gen: C. R. Heillegger. Dir. Tec: G. A. T. Heillegger.
**STATION:** PJL3 1230kHz 0.25kW – 1540kHz 1kW.
**HOME SCE:** 10.00 (Sun 12.00)–04.00 – **W: Papiamento:** 10.00–17.00, 19.00–22.00, 01.00–04.00. **N:** 16.15–17.00 – **Spanish:** 17.00–19.00, 22.00–01.00. **N:** 17.00, 18.00(VOA), 22.00, 00.15 – **Sun:** English: (rlg. prgr's): 12.00–14.00, 22.00–23.00 – **Papiamento:** 14.00–17.00, 18.30–22.00, 23.00–04.00 – **Spanish:** 17.00–18.30 (Port music with ann. in Sp.) – **N:** 18.15 – **V.** by letter. Recordings accepted.

### ARUBA

**RADIO KELKBOOM (Comm.)**
**ADDR:** P.O. Box 146, Oranjestad. **Cable:** Kelkboom. **Te:** 1899. **L.P:** Mgr: C. A. Kelkboom.
**STATION** (System: Gates): PJA5 1435kHz 1kW.
**HOME SCE:** 11.00 (Sun 14.00)–02.00 – **Papiamento: N:** 11.30, 12.30, 14.00, 15.00, 16.15, 16.45, 20.30, 22.00 – **Spanish:** Tues, Sat 00.15–00.45 – **Dutch:** Sun 14.30–15.00, 16.30–17.00, 20.00–20.30, 23.45–24.00. Tues 18.30–19.00. Wed 01.15–01.45 – **ANN:** Dutch: "Hier PJA-5 R. Kelkboom te Oranjestad Aruba". E: "This is PJA-5 R. Kelkboom at Oranjestad Aruba". Papiamento: "Ta transmiti R. Kelkboom PJA-5 na Oranjestad, Aruba" – **V.** by QSL-card. **Rp.**

**RADIO VICTORIA (Owned and sponsored by The Evangelical Alliance Mission-Team.)**
**ADDR:** P.O. Box 410, Aruba. **Te:** 7090. **Cable:** Team – **L.P:** Mgr: Rev. P. J. Pietsch Jr. Chief Eng: R. C. Mitchell.
**HOME SCE** (G.C: 69.58W/12.28N) PJA 920kHz 326.1m 10kW. W 10.30–03.00, Sun 11.00)01.00.
**English:** W 11.30–12.00, 13.30–15.30, 16.30–19.30, 23.15–01.30. **N:** 11.30, 16.30, 22.30; Sun 11.00–13.00, 20.00–01.00 – **Dutch:** W 22.45–23.15, 01.30–03.00. **N:** 23.00, 02.30; Sun 14.30–15.00 – **Spanish & Papiamento:** W 10.30–11.30, 12.00–13.30, 15.30–16.30, 19.30–22.30; Sun 13.00–14.30, 15.00–20.00. **N:** Every h 11.00–22.00 & 11.15, 20.15.
**ANN:** "This is R. Victoria, The Cultural Voice of the Caribbean". Dutch: "Dit is R. Victoria, de Culturele Stem van het Caribbish Gebied". Sp: "Transmite R. Victoria, La Voz Cultural del Caribe" – **PUB:** Prgr. sched. free upon request – **V.** by letter. Rp. Recordings accepted – **FI:** By comm & adv. and free will offerings.



Monte Carlo
Bonaire

*Broadcasting in 25 languages to Europe, North Africa, the Middle East and the Americas.*

# Trans World Radio

PAUL E. FREED, PH.D.
*Founder and President*

RALPH FREED, D.D.
*General Director*

**RADIO ANTILIANA (Comm.)**
**ADDR:** Bernardstraat 61, St. Nicolaas. **Te:** 5602.
**STATIONS** (System Philips): PJA8 1270kHz 1kW.
**HOME SCE: in Papiamento, English, Dutch:** Sun-Fri 09.30–05.00, Sat 09.30–08.00. N(W): **English:** 10.40, 11.40, 14.40, 16.35, 17.00. **Papiamento:** 11.00, 12.00, 13.30, 16.50, 17.30, 21.30, 23.00 – **ANN:** "This is st. PJA8, R. Antiliana, transmitting on a freq. of 1270kHz which equals a wavelength of 236.2m, from studios located in Bernardstraat, San Nicolaas, Aruba, Isle of progress in the NA" – V by letter. Recordings accepted.

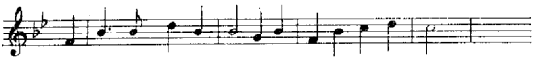
**"VOICE OF ARUBA" (Comm.)**
**ADDR:** P.O. Box 219, Oranjestad. **L.P:** Dir: A. M. Arends Jr. Dr. Tec: D. Chirino. **STATION:** PJA10 1325kHz 1kW.
**HOME SCE. in Dutch, English, Spanish:** 10.00–04.00.
**ANN:** "You are tuned to Station PJA10 – The Voice of Aruba, the Friendly Voice of Aruba for the Antilles" – **INT-SIG:** 4 note pipe organ, producing the Big Ben sound – V. by QSL-card or letter.

BONAIRE

**TRANS WORLD RADIO (Cultural, Educational, Religious).**
**ADDR:** Trans World Radio, Bonaire. **Te:** 8800. **Cable:** Votan. **L.P:** Pres: Dr. P. E. Freed. Dir. Gen: Dr. R. Freed. St. Mgr: W. P. Mial. Dir. Tec: R. Kennedy, R. E. Schultz.
**STATIONS:** 800kHz 375m 500kW.
**Shortwaves:** One tr. 50kW, one tr. 260kW (G.C: 68.17W/12.09N).

| kHz | m | kHz | m | kHz | m | kHz | m |
|---|---|---|---|---|---|---|---|
| 9605 | 31.23 | 11715 | 25.61 | 15140 | 19.82 | 15280 | 19.63 |
| 9690 | 30.96 | 11815 | 25.39 | 15245 | 19.68 | | |
| 9710 | 30.90 | 11820 | 25.38 | 15255 | 1966 | | |

**D.PRGRS:** On 800kHz: 09.30–12.35 (Sun 15.30), 21.45–23.30, 01.30–05.05. **English:** 11.00–12.35 (Sun 15.30), 02.00–04.30 **Spanish:** 09.30–11.00, 22.15–23.00, 01.30–02.00, 04.30–05.05. **French:** 22.00–22.15. **Dutch:** 21.45–22.00 (Sat/Sun). **Portuguese:** 23.00–23.30. **German:** 23.00–23.15 (Wed, Thurs only). **N:** English: 11.00, 12.30, 03.30, 04.00 Spanish: 05.00, 22.35.
**Short-Wave Schedule:** I=So. America; II=No. America; III=Ce. America; IV=Mid. East; V=Europe.
**Transmitter I (50 kW):** 09.30–12.35 (Sun 15.30), 20.00–05.00.
**Arabic, Armenian:** 04.30–04.45 (IV) on 11715kHz.
**Eastern European:** 04.45–05.00 (V) on 11715kHz, 20.00–20.15 (V) on 15255kHz
**English:** 11.00–12 35 (Sun 11 00–15.30) (II) on 15140kHz, 21 00–21.30 (V) on 15245kHz, 02 25–03.50 (II) on 9690kHz – **French:** 20 15–20.30 (V) on 15255kHz, 22.00–22.15 (V) on 11815kHz – **German:** 20.30–21.00 (V) on 15255kHz – **Portuguese:** 09.30–10.00 (I) on 9710kHz, 21 45–22.00 (V) on 11815kHz, 23.00–23.30 (I) on 15280kHz, 00.25–01.00 (I) on 15280kHz – **Russian:** 04 00–04.30 (V) on 11715kHz, 01.00–01.30 (I) on 15280kHz – **Spanish:** 10.00–11.00 (I) on 9710kHz, 21.30–21.45 (V) on 11815kHz, 22.20–23.00 (I) on 15280kHz, 23.30–00.20 (III) on 9605kHz, 01 30–02 20 (I) on 15280kHz
**Transmitter II (260kW):** 23 30–01 20
**English:** 00 30–01 20 (IV) on 11820kHz – **German:** 23.30–23.55 (I) on 15280kHz, 23 55–00.10 (I) on 15280kHz (Thurs only) – **Portuguese:** 23 55–00 10 (I) on 15280kHz (Mon, Wed, Sat) – **Spanish:** 00.10–00.25 (I) on 15280kHz, 23.55–00.10 (I) on 15280kHz (Sun, Tues, Fri).
**NEWS: English:** 00.35 (tr. II), 03.30 (tr. I). **Spanish:** 00.15 (tr. I), 02.15 (tr. I)
**DX-Special:** Sun 03.35, Fri 12.05, 21.00 (incl. features "Mailbag Corner" music "What's New" (new development in science and communications) and other special features of interest to DX-ers).
**Relay R. Nederland:** 21 30–22 20 & 22.30–23.20 on 15220kHz (21.30 English to We. Africa, 22 30 Spanish to So. America): 01.30–02.20, 02.30–03.50 & 04 00–04.50 on 9590kHz (01.30 English, 02.30 Dutch to No. America, 04.00 Spanish to Ce. America).
**ANN:** "This is the international sound of the Carribean Trans World Radio, Bonaire" – **INT-SIG:** "Stand up, Stand up for Jesus" played on trumpet.



V. by QSL-card Rp preferred. IRC's replied by airmail, all other correspondence by surface mail. Re in E & Sp. no tapes – **PUB:** Prgr schedule free – **FI:** Voluntary contributions from individuals, organisations, foundations, churches

**THE VOICE OF BONAIRE (Comm.)**
**ADDR & L.P:** See R Hoyer
**STATION:** PJB2 1385kHz 1kW
**HOME SCE:** W 11 30–18 30, 22 30–02 30; Sun 14 30–17 30, 22.30–02.30.

ST. MAARTEN

**THE VOICE OF SINT MAARTEN (Comm.)**
**ADDR:** P O Box 175, St. Maarten **Te:** 2373 – **L.P:** Dir: N. C. Wathey. Gen. Mgr: R. A. Mayer. Assist. Mgr: F. W. Vlaun.
**STATION:** PJD 1295kHz 10kW.
**HOME SCE in English, French & Dutch:** 09.00–03.00.
**ANN:** "This is the Voice of Sint Maarten, R.St. PJD2 transmitting on an assigned freq. of 1295kHz, the Gospel Voice of the Eastern

Caribbean, Proclaiming Jesus Deliverance to you and yours, from the Island of St. Maarten, NA, the beach island of the Caribbean" – V. by QSL-card.

## NICARAGUA

L.T: GMT – 6 h – **Pr.L:** Spanish.

**JEFATURA DEL RADIO NACIONAL,** Apt. 209, Managua.

**STATIONS:** All st's comm. exc. 12 – (Gov), 5) (Cultural, 20) (Rcl).

**Short Waves:** Call: YN—.

| | Call | kHz | m | kW | Name and h of tr. |
|---|---|---|---|---|---|
| 1) | RG | 5955 | 50.38 | 0.5 | R. Zelaya, Bluefields |
| 2) | XB | 6075 | 49.38 | 1 | R. Tissey, Esteli |
| 3) | CA | 6120 | 49.02 | 1 | R. Atlanta, Bluefields |
| 4) | W | 6140 | 48.86 | 0.5 | R. Mundial, Managua |
| 5) | JM | 6200 | 48.39 | 1 | R. Norte, Somoto |
| 6) | TZ | 9550 | 31.41 | 1 | R. Jinotega, Jinotega. |
| 7) | TP | 9580 | 31.32 | 0.5 | R. Mar, Pto. Cabezas. |

**Medium Waves:** Call: YN—. °=Short Wave.

| | Call | kHz | kW | | Call | kHz | kW | | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8) | TT | 540 | 0.5 | 26) | LU | 965 | 5 | 45) | RA | 1300 | 2 |
| 9) | G | 555 | 2 | 27) | CR | 980 | 0.5 | 46) | EB | 1330 | 1 |
| 10) | RR | 570 | 5 | 28) | T | 1000 | 10 | 47) | DM | 1340 | 0.5 |
| 11) | RD | 590 | 10 | 29) | VOZ | 1015 | 3 | 48) | RM | 1350 | 2 |
| 12) | M | 620 | 10 | 30) | CH | 1035 | 5 | 49) | CF | 1360 | 0.25 |
| 13) | X | 640 | 1 | 31) | II | 1050 | 2 | 13) | X | 1370 | 1 |
| 14) | WW | 650 | 1 | 32) | TV | 1070 | 0.5 | 13) | X | 1400 | 1 |
| 15) | D | 675 | 15 | 33) | AE | 1090 | 1 | 50) | AJ | 1430 | 10 |
| 16) | SC | 700 | 10 | 34) | Q | 1100 | 3 | 51) | MS | 1440 | 0.5 |
| 17) | S | 725 | 1 | 35) | P | 1115 | 2 | 52) | DN | 1450 | 1 |
| 13) | X | 750 | 50 | 36) | RC | 1130 | 10 | 53) | TJ | 1460 | 0.3 |
| 18) | O | 800 | 10 | 37) | BC | 1150 | 5 | 54) | AG | 1475 | 2 |
| 19) | MR | 810 | 2.5 | 38) | WW | 1170 | 1 | 55) | PT | 1500 | 1.5 |
| 20) | OL | 825 | 15 | 39) | C | 1200 | 0.5 | 56) | CZ | 1515 | 1 |
| 21) | MG | 840 | 1 | 40) | OP | 1220 | 0.5 | 57) | RF | 1530 | 1 |
| 22) | AV | 850 | 15 | 41) | CW | 1230 | 3 | 58) | PR | 1560 | 0.25 |
| 23) | OX | 885 | 10 | 42) | SV | 1240 | 1 | 59) | AW | 1590 | 1 |
| 24) | WS | 900 | 5 | 43) | WX | 1270 | 2.5 | 60) | KS | 1600 | 1.6 |
| 25) | W | 930 | 10 | 44) | RPS | 1285 | 2 | | | | |

**Short Waves:**

1) Apt. 72, Bluefields. **L.P:** Dir: R. Austin G. **D. Prgr:** English: 11.40–12.04. V. by QSL-card. Rp.
2) Esteli: **L.P:** Dir: J. Ronóm B.
3) Bluefields. **L.P:** Dir: S. Sandoval de Mena.
4) Managua, DN. **L.P:** Dir: M. Araña V.
5) Somoto. **L.P:** Dir: J. J. Molina.
6) Jinotega. **L.P:** Dir: T. Morales M.
7) Pto. Cabezas. **L.P:** Dir: R. Perez U.

**Medium Waves:**

8) **R. Corporación,** Managua.
9) **R. Tic Tac,** Chinandega.
10) **R. Reforma,** Managua.
11) **R. Quinientosnoventa,** Managua.
12) **R. difusora Nacional,** Edif. Bernard, Managua. **Ann:** "Paz Libertad, Progreso, transmite R. dif. Nacional de Nicaragua". V. by letter.
13) **R. Equis,** Apt. 1505, Managua, **Te:** 5404. **Cable:** Tevenic. **L.P:** Dir. Gen: R. O. Cano Dir. Tec: J. Maria C. Dir. Prgrs: M. Jiron C. **D. Prgr:** 11.00–06.00. **Ann:** "Estación Equis, en la Patria de Ruben Dario año del Centenario". **Int.-Sig:** Xylophone. V. by letter – **Relay sts:** 640 kHz (Chichigalpa), 810kHz (Matagalpa), 1370 kHz (Esteli), 1400kHz (Juigalpa)+**F.M:** 96MHz (Managua) & 94MHz( Las Nubes)
14) **R.Granada. L.P:** M. Arana V.
15) **Union Radio,** Apt. 1148, Managua. **Ann:** "Union R. La Onda Musical y Deportiva 675kHz, Managua de la Cadena Inter-Americana RNYW de New York". V. by QSL-Card and letter. **Pub:** Prgr.
16) **R. Centauro,** Managua.
17) **R. Titania,** Chinandega.
18) **R. Ivania,** Managua.
19) **R. La Voz de M.G.P.,** Matagalpa.
20) **R. Ondas de Luz,** Apt. 607, Managua. **L.P:** Dir: F. M. Doña. **D.Prgr: Spanish:** 12.00–03.00. **English:** 03.00–04.00. N: 01.00, 04.00, 18.00. **Ann:** Sp: "En sintonia con R. Ondas de Luz, única emsiora en el país sin anuncios comerciales con su lema "Orientando su camino con la Luz de la Verdad". E: You are in tune with the radio voice of YNOL, "Waves of Lights" from Managua, the beautiful land of lakes and volcanoes". V. by QSL-card or letter.
21) R. Pinares, Ocotal.
22) R. Continental, Managua. **L.P:** Dir: M. Valle Q.
23) R. Libertad, Managua – 24) **R. Alma Nica,** Managua.
25) R. Mundial, 5a Av. N.O. 703, Managua. **L.P:** Dir: F. Araña.
26) R. Managua, Managua – 27) R. Mongalo, Rivas.
28) R. Mil, Managua – 29) R. Reloj, Managua.
30) R. Central, Chinandega – 31) R. Masaya, Masaya.
32) **R. Centro,** Granada — 33) **R. Musun,** Matagalpa.
34) **La Voz de la Victoria,** Managua – 35) **R. Circuito,** Leon.
36) **R. Catolica de Nicaragua,** Apt. 1130, Managua. V. by letter.
37) **R. Ondas Segovia,** Esteli – 38) **R. Dario,** Leon.
39) **R. Capital,** Managua – 40) **R. Cultural Carazo,** Jinotepe.
41) **R. Occidental,** Chinandega – 42) **R. El Mundo,** Managua.
43) R. Atenas, Leon – 44) R. Granada, Granada.
45) **La Voz de Chinandega,** Chinandega.
46) R. Fronteras, Somoto – 47) **Ondas Sonores,** Managua.
48) R. Alma Latina, Esteli – 49) **Ondas del Sur,** Jinotepe.
50) R. Voz de América, Managua – 51) **Ondas Populares,** Leon.
52) R. City, Managua – 53) R. Ecos de las Brumas, Jinotega.
54) R. Cosiguina, Chinandega – 55) R. Tierra Pinilera, Managua.
56) R. Progreso, Leon – 57) R. Voz de Rivas, Riva.
58) R. Centroamerica, Managua – 59) R. Colinas, Jinotega.
60) R. Panamericana, Chinandega.

## PANAMA

**LT:** GMT—5h — **Pr.L:** Spanish.

**GOVT. DEPT. JURISDICTION**

**ADDR:** Dirección Técnica de Radiocomunicaciones, Ministerio de Gobierno y Justica, Apt. 3422, Panamá. **Cable:** Dirgentel Radio —

**ASOCIACION PANAMENA DE RADIODIFUSION**

**ADDR:** Apt. 7387, Panamá.

**STATIONS:** C=Circuito. *=currently inactive.

All st's comm. exc. 7) (Rlg), 17) (Cultural & Rlg), 18 (Mil).

**Short Waves:**

| | Call | kHz | m | kW | Name and h. of tr. |
|---|---|---|---|---|---|
| 1) | HOM50 | 5995 | 50.04 | 1 | C.R.P.C, Panamá |
| 2) | HOU31 | 6045 | 49.63 | 1 | La Voz del Baru, David: 11.00-04.00 |
| 1) | HOF31 | 9685 | 30.98 | 1 | Onda Popular, Panamá: 12.00-05.00 |

**Medium Waves:** Call: HO- -. °=Short Waves.

| | Call | kHz | kW | | Call | kHz | kW |
|---|---|---|---|---|---|---|---|
| 3) | U23 | 540 | 0.25 | 24) | D21 | 1070 | 0.25 |
| 4) | N31 | 550 | 1 | 13) | G2 | 1090 | 0.25 |
| 1) | H2 | 560 | 0.2 | 25) | R58 | 1100 | 0.25 |
| 1) | H3 | 590 | 1 | 1) | F47 | 1120 | 1 |
| 1) | HM | 610 | 5 | 26) | J | 1130 | 1 |
| 5) | K | 640 | 0.25 | 27) | B49 | 1140 | 1 |
| 6) | S22 | °645 | 1 | 28) | S25 | 1150 | 0.25 |
| 1) | H4 | 660 | 1 | 15) | NZ | 1170 | 0.25 |
| 7) | LY | 670 | 1 | 29) | OC | 1180 | 1 |
| 8) | F32 | 680 | 0.5 | 30) | E91 | 1210 | 4 |
| 9) | A | 700 | 1 | 9) | W | 1230 | 0.25 |
| 10) | HP5C | 730 | 1 | 31) | M56 | 1240 | 1 |
| 11) | XO | 760 | 5 | 32) | Q | 1250 | 0.25 |
| 12) | ACA20 | 790 | 5 | 33) | J22 | 1270 | 0.5 |
| 1) | F33 | 810 | 1 | 34) | JU | 1280 | 0.25 |
| 13) | G | 830 | 0.25 | 8) | S23 | 1295 | 1 |
| 4) | N32 | 840 | 10 | 35) | K3 | 1310 | 0.25 |
| 14) | HO | 870 | 1 | 36) | L55 | 1315 | 1 |
| 15) | R34 | 890 | 1 | 27) | M92 | 1330 | 0.25 |
| 16) | HA | 900 | 0.5 | 23) | HP6J | °1380 | 0.25 |
| 6) | S56 | 920 | 1 | 35) | L | 1390 | 0.25 |
| 17) | X | 940 | 0.5 | 37) | HS | 1400 | 1 |
| 18) | B33 | 950 | 1 | 38) | RS | 1410 | 0.5 |
| 1) | F | °965 | 3 | 12) | ACB20 | 1420 | 1 |
| 19) | R59 | 990 | 1 | 5) | C | 1440 | 0.25 |
| 20) | U44 | 1015 | 1 | 39) | D42 | 1460 | 0.25 |
| 1) | F2 | 1020 | 0.25 | 40) | OH | 1470 | 1 |
| 2) | U | °1025 | 1 | 42) | R43 | 1490 | 0.25 |
| 21) | S21 | 1035 | 1 | 41) | N | 1500 | 1 |
| 22) | J2 | 1045 | 1 | 43) | A95 | 1505 | 1 |
| 5) | HPM21 | 1060 | 1 | | | | |

**Short Waves:**

1) Apt. 1795, Panamá. **Te:** 5-0160. **Cable:** Erepece. C.RPC: **L.P:** Dir: J. de la Guardia. Dir. Tec: L. O'Meally. **D.Prgr:** 10.30-05.00. **N:** 11.30 ,17.30, 04.30. **Ann:** "Circuito RPC, Panamá. República de Panamá y tambien usamos: RPC-Radio Panamá". **V.** by letter. Recordings accepted.

**Onda Popular:** HOF33 Bocas del Toro, HOS47 Darien, HOF Panama, HOF2 Colon. **Ann:** "Onda Popular". **V.** by QSL-card. Re. in Sp. or E.

2) Apt. 160, David.

**Medium Waves:**

3) **R. Zarati,** Apt. 5661, Penonome.
4) **R. Aeropuerto,** Apt. 4824, Panamá.
5) **Cadena Panameña de Radiodiff,** Apt. 33, Colon.
6) **R. Mia,** Apt. 5117, Panama. **D.Prgr:** 10.00-04.30.
7) **R. Hogar,** Apt. 1979, Panamá. **Te:** 3-5425. **Ann:** "R. Hogar, una emisora al servicio de la paz y la verdad". **V.** by letter. Re. in Sp. E.
8) **R. Centenario,** Apt. 3, Puerto Armuelles.
9) **La Voz de Panama,** Apt. 1121, Panamá.
10) **R. Cadena Miramar,** Apt. 1214, Panama. **Te:** 30239. **V.** by QSL-card.
11) **La Voz del Istmo,** Apt. 3269, Panamá. **Ann:** E: "This is HOXO, the Voice of the Isthmus, 760kHz in Panamá". Sp: "Esta es La Voz del Istmo, 760kHz en Panamá, HOXO". V. by QSL-card.

12) **Southern Command Network (AFRTS),** Ft. Clayton, Canal Zone.
13) **Estación d cla Communidad,** Apt. 1121, Panamá.
14) **R. Musical,** Apt. 355, Panamá.
15) **Ondas Istmenas,** Apt. 3237, Panamá.
16) **La Voz del Pueblo,** Apt. 1045, Panamá.
17) Panamá.
18) **R. Cultura,** Apt. 249, Concepción.
19) **R. Leblanc,** Panamá.
20) **R. Reloj,** Apt. 5124, Panamá.
21) **Victor Miranda,** Panamá.
22) **Ondas del Canajagua,** Apt. 10, Las Tablas. **D.Prgr:** 24 h. **V.** by letter.
23) **La Voz de Panamá,** Apt. 867, Panamá. HPM21: La Voz de Ancon, Av. Central 169, Panamá. **V.** by letter.
24) **Ondas del Caribe,** Av. Melendez y Roosevelt, 8044, Colon.
25) **R. Mil Cien,** Apt. 100, Panamá.
26) **R. Provincias,** Apt. 1174, Chitré.
27) **Cadena Universal,** Panamá.
28) **R. Mia de Colon,** Colon.
29) **C. de Ondas Chiricanas,** Apt. 172, Panamá.
30) **R. El Mundo,** Apt. 1566, Panamá.
31) **R. David,** Apt. 328, David.
32) **R. Nacional,** Apt. 552, Panamá.
33) **Radio la Tribuna.**
34) **La Voz del Yigia,** Aguadulce.
35) **R. Atlantico,** Apt. 44, Colon. (HOK 3: La Onda de la Alegria.) **V.** by QSL-card.
36) **R. Reforma,** Apt. 1201, Chitré. **V.** by QSL-card and letter.
37) **Ondas Centrales,** Santiago.
38) **R. Selecta,** Apt. 4369, Panamá.
39) **La Voz de Almirante,** Ca. 6a y Av. N, Almirante, Bocas del Toro. **L.P:** Dir's: N. O. Dosman, A. Bodkin. **D.Prgr:** W 13.00-20.00, 22.00-04.00. Sun 13.00-01.00. **V.** by QSL-card. Recordings accepted. Rp.
40) **R. Independiente,** Apt. 4545, Panamá.
41) **La Voz de la Victor,** Apt. 33, Colon.
42) **R. Exito,** Chorrera.
43) **R. Variedades,** Panamá.

## PUERTO RICO (U.S. Territory)

**L.T:** GMT – 4h – **Pr.L:** Spanish, English.

**BROADCASTERS ASSOCIATION OF PUERTO RICO**
**ADDR:** P.O. Q, Hato Rey. **L.P:** Exec. Secr: T. Maldonado Jr.
**STATIONS:** All st's comm. exc. 13) *)=also FM.

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 1) WPAB | 550 | 5/1 | 15) WMIA | 1070 | 0.5 | 28) WISA | 1390 | 1 |
| 2) WKAQ | 580*5 | | 16) WLEY | 1080 | 0.25 | 11) WHOA | 1400 | 0.5 |
| 3) WAEL | 600 | 1 | 17) WRIS | 1090 | 0.25 | 29) WEUC | 1420 | 1 |
| 4) WKYN | 630 | 1 | 18) WVJP | 1110 | 0.25 | 30) WNEL | 1430 | 5/ |
| 5) WAPA | 680 | 10 | 19) WITA | 1140*0.5 | | | | 0.5 |
| 6) WKJB | 710 | 1 | 16) WLEO | 1170 | 0.25 | 31) WFBA | 1460 | 0.5 |
| 7) WIAC | 740 | 10 | 20) WNIK | 1230*1/ | | 32) WMDD | 1480 | 5 |
| 8) WORA | 760*5 | | | | 0.25 | 33) WMNT | 1500 | 1/ |
| 9) WKVM | 810 | 25 | 21) WALO | 1240 | 1 | | | 0.25 |
| 10) WABA | 850*0.5 | | 22) WISO | 1260 | 1 | 34) WRAI | 1520 | 0.25 |
| 11) WHOA | 870 | 5 | 23) WCMN | 1280 | 5/1 | 35) WUPR | 1530 | 1 |
| 12) WPRP | 910 | 5 | 24) WTIL | 1300 | 1 | 16) WKFE | 1550 | 0.25 |
| | | /0.5 | 25) WUNO | 1320 | 5/1 | 36) WRSJ | 1560 | 5/ |
| 13) WIPR | 940*10 | | 26) WUNA | 1340 | 0.25 | | | 0.25 |
| 14) WPRA | 990 | 1 | 27) WIVW | 1370 | 1 | 37) WXRF | 1590 | 1 |
| | | | | | | 38) WLUZ | 1600 | 1 |

**D.Prgr:** Generally 10.00–04.00 exc. 11), 24), 30): 24 h.
1) **Portorican American Broadc. Co,** P.O. Box 786, Ponce. **L.P:** Pres. & Gen. Mgr: A. Gimenez-Aguayo. Comm. Mgr: L. W. Morales.
2) **El Mundo Broadc. Corp,** Box 9007, Santurce. **L.P:** Gen. Mgr: V. Lamas, Jr. Comm. Mgr: G. Felix.
3) **WAEL Inc,** Box AE, Mayaguez. **L.P:** Pres. & Gen. Mgr: M. Pirallo. Comm. Mgr: F. Marcias.
4) **Quality Broadc. Corp,** Box 9986, Santurce. **L.P:** Pres: A. R. de Arellino, Jr. St. Mgr: A. Merrill.
5) **Hearst Radio Inc,** Box 4563, San Juan. **L.P:** Vice Pres. & Gen. Mgr: Ray Owen.
6) **Emisora WKJB,** Box 1293, Mayaguez 00709. **L.P:** Pres: J. A. Bechara, Jr. Gen Mgr: I. Mendez Lopez. Comm. Mgr: E. O. Gemma.
7) **Bestov Broadc. Inc,** Box 4504, San Juan 00709. **L.P:** Gen. Mgr: L. A. Mejia.
8) **R. Americas Corp,** Box 43, Mayaguez. **L.P:** Pres: A. R. de Arellano, Jr.
9) **American Colonial Broadc. Corp,** Box 4189, San Juan. **L.P:** Pres. & Gen. Mgr: R. P. Perry.
10) **R. WABA,** Box 188, Aguadilla. **L.P:** Gen. Mgr: F. Bonnet.
11) **Continental Broadc. Corp,** Box V, Hato Rey 00919. **L.P:** Pres. & Gen. Mgr: C. Mendez.
12) **Voice of Puerto Rico,** Box 430, Ponce. **L.P:** Pres. & Gen. Mgr: A. R. de Arellano.
13) **Dept. of Education of P. R.** P.O. Box 909, Hato Rey 00919. Ann: "These are st's WIPR and WIPR-FM in San Juan, Puerto Rico". V. by QSL-card.
14) **WPRA, Inc,** Box 1869, Mayaguez. **L.P:** Pres. & Gen. Mgr: A. Camara. Comm. Mgr: Pedro Ojeda.
15) **Abacoa R. Corp,** Box 1055, Arecibo. **L.P:** Gen. & Comm. Mgr E. Rodriguez-Velez.
16) **Ponce Broadc. Corp,** Box 1186, Cayey. **L.P:** Gen. Mgr: Ch. Cordero.
17) **Electronics Enterprises Inc,** San Serman.
18) **Borinquen Broadc. Co,** Box 207, Caguas. **L.P:** Gen. Mgr: H. Pereira.
19) **Electronics Enterprises Inc,** Box 2692, San Juan. **L.P:** Pres. & Gen. Mgr: A. A. Valdivieso.
20) **Arecibo R. Corp,** Box 908, Arecibo. **L.P:** Gen. Mgr: D. Ortiz. V. by letter.
21) **R. WALO,** Box 1055, Humaco 00661. **L.P:** Gen; Mgr: A. R. Saladin.
22) **South Puerto Rico Broadc. Corp,** Box 2023, Ponce. **Te:** 842-4124. **L.P:** Gen. & Comm. Mgr: L. E. Freyre. V. by letter. Rp.
23) **Caribbean Broadc. Corp,** Box 436, Arecibo 00613. **L.P:** Gen. & Comm. Mgr: N. Barreto.
24) **Mayaguez R. Corp, Box 1360,** Mayaguez. **L.P:** Pres. & Gen. Mgr: G. Mamary.
25) **San Juan Broadc. Corp,** Box Q, Hato Rey. **L.P:** Gen. Mgr: M. A. Escudero.
26) **Noroeste Corp,** Box 809, Augadilla 00603. **L.P:** Gen. Mgr: F. Arredando.
27) **WIVV Missionary Radio Station,** Box 1904, Hato Rey. **Te:** 60919. **L.P:** D. Lutterell. Dir. Tec: W. T. Forrester. Dir. Prgr: Ruth Lutterell. **D.Prgr:** 09.30–02.30. N. in English: 11.00, 17.00, 23.00. **Mbg:** 19.00–21.00. V. by letter. **Pub:** WIVV Radio News.
28) **WISA Radio,** Box W, Isabela 00663. **L.P:** St. Mgr: S. Cintron.
29) **Catholic University of Puerto Rico,** Service Assn. Campus, Ponce. **Te:** 8422031. **L.P:** Gen. Mgr: Rev. P. Ballester. Dir: M. F. Cuestra.
30) **Quilanz,** Box 5369, San José 00906. **L.P:** Pres. & Gen. Mgr: Quinones Jr.
31) **Radio Pepino,** Box 127, San Sebastian. **Te:** 896–1005. **L.P:** Dir. Gen. & Tec. Dir: R. Vega. Asst. Dir: M. T. Lebrón. **V.** by letter. Recordings accepted.
32) **Pan Caribbean Broadc. Corp,** Box 387, Fajardo. **L.P:** Gen. Mgr: J. L. Torregrosa. Comm. Mgr: L. Jimenez. V. by QSL-card.
33) **Arecibo Broadc. Corp,** Manati. **L.P:** Gen. Mgr: P. G. Barbosa.
34) **Abacoa Radio Corp,** Box 1252, Hato Rey. **L.P:** Pres. & Gen. Mgr: C. Pirallo Lopez.
35) **Central Broadc. Corp,** Box 687, Utado. **L.P:** Gen. Mgr: C. Santiago.
36) **R. San Juan,** P.O. Box 5627, San Juan 00905. **L.P:** Gen. Mgr: M. S. Martinez.
37) **Guayama Broadc. Co,** 42 Hostos St, Guayama 00655. **L.P:** Pres: R. Fuster Jr. V. by QSL-card.
38) **R. WLUZ,** Box 9394, Santurce 00908. **L.P:** Pres: L. T. Muniz.
**ARMED FORCES RADIO & TV SERVICE:** see USA.

## SWAN ISLAND

**L.T:** GMT – 6h – **Pr.L:** Spanish.

**RADIO AMERICAS (Comm.)**
**ADDR:** P.O. Box 352, Miami 1, Fla, USA. **Te:** 444-8287 – **L.P:** St. Mgr. & Dir. Tec: P. Collamore.
**STATION** (G.C: 83.56W/17.24N): 1160kHz 257.5m 50kW
**D.PRGR'S in Spanish:** 10.00–13.30, 22.00–07.00 – **N:** 10.55, 11.55, 12.45, 22.55, 23.55, 00.55, 01.55, 03.55, 04.45, 05.25, 05.55, 06.25, 06.45 — **ANN:** Sp: "Esta es R. Americas, La Voz de la Verdad para todo el Continente" — **INT-SIG:** First six notes of "Americas Ammortal lyre" — **V.** by QSL-card. Rp.

## TRINIDAD & TOBAGO

**L.T:** GMT – 4h – **Pr.L:** English.

**TRINIDAD BROADCASTING CO. (Comm.)**
**ADDR:** Braodc. House, 11B, Maraval Rd, Port-of-Spain. **Cable:** Broadcast. **Te:** 21151 – **L.P:** St. Mgr: P. E. M. Hesketh. Dir. Tec: E. R. McDowell. Dir. Prgr: Mrs. J. Gonsalves. Sales Mgr: S. Ghany.
**STATIONS** (System: Redifon 2 + 10kW tr's)
730kHz 410m 20kW – **FM:** 95.1MHz 1kW.
**HOME SCE: in English:** D 10.00–03.15 *incl. Wrp.
N: 10.00, 10.45, 11.00*, 12.00, 13.00*, 14.00, 15.00, 16.00*, 16.30, 17.00, 18.00*, 19.00, 20.00*, 21.00, 22.00, 23.00, 23.45, 01.45, 02.00*, 02.15, 03.00* – **ANN:** "This is R. Trinidad, first with the news" – **V.** by letter. Recordings accepted.

**RADIO GUARDIAN (Comm.)**
**ADDR:** 17 Abercromby Str, Port-of-Spain. **Te:** 32618. **Cable:** Voice. **L.P:** Gen. Mgr: P. A. Pitts. Dir. Tec: F. Thompson. Dir. Prgr: L. de Leon. **STATIONS:** VPL6 610kHz 10kW – **FM:** 98.9MHz 0.25kW.
**HOME SCE. in English:** 09.56–03.07. N: on the h (BBC/WS 12.00, 18.00) — **Gov. Prgr:** 00.00 — **Wrp:** On the ½ h.
**ANN:** "This is R. Guardian, The Voice of Trinidad & Tobago" –

**INT-SIG:** At sign-on: The tune "Yellow Bird, Choucoun Destiny" played on Guitar & Xylophone – V. by letter. Rp

## TURK & CAICOS ISLANDS (British)

L.T: GMT – 5h – Pr.L: English.

**RADIO STATION VSI35**
**ADDR:** Cable and Wireless (West Indies) Ltd, Mercury House, Grand Turk. **Te:** 2. **Cable:** Cablewire – **L.P:** St. Mgr: P. H. Straw.
**STATION** (System: Marconi): VSI35 8000kHz 37.5m 0.2kW.
**D.PRGR'S N:** in English: 18.30 (10 to 20 min's) – ANN: "R. St. VSI35 owned and operated by Cable and Wireless (W.I.) Limited" – V. by letter. Rp.

## VIRGIN ISLANDS (American)

L.T: GMT – 4h – Pr.L: English.

**RADIO AMERICAN WEST INDIES INC. (Comm.)**
**ADDR:** P.O. Box 310, Christiansted, St. Croix. **Te:** 733—0390 – **L.P:** Dir. Gen: Mrs. H. M. Higdon. St. Mgr: Mrs. M. P. Lang. Dir. Tec: R. E. Higdon – **STATION:** WIVI 970kHz 5kW – FM: 99.5MHz
**D.PRGR:** 24h – **N: English:** On the h (Headlines on the half h) **Wrp:** 17.15 – **Spanish:** 14.00–16.00 – ANN: "This is WIVI, 970 on your dial, located at Fort Louise Augusta, Christiansted, St. Croix, US Virgin Islands".

**RADIO STATION WSTA (Comm.)**
**ADDR:** P.O. Box 538, St. Thomas, US Virgin Islands 00802. **Te:** 774–1340. **Cable:** WSTA. **L.P:** Gen. Mgr: L. Stein. Chief Eng: G. Neathery.
**STATION:** 1340kHz 0.25kW – **HOME SCE:** 10.00–04.00. **N:** Every h on the h at 11.00–03.00; also at 21.45, 03.55 – ANN: "This is WSTA–1340 on your dial in St. Thomas,, Virgin Islands" – V. by letter. Recordings accepted. – **F.Pl:** 1kW.

**ISLAND TELERADIO SERVICE, INC. (Comm.)**
**ADDR:** P.O. Box 1947, St. Thomas, US Virgin Island 00801. **Te:** 774–10300. **Cable:** WBNB – **L.P:** Pres: R. Moss. Secr. Treasurer: R. E. Noble.
**STATION** (System: Collins): WBNB 1000kHz 1kW.
**HOME SCE. in English:** W 10.00–04.00. Sun 12.00–03.00. **N:** on the h – ANN: "WBNB, Radio Ten, St. Thomas" – V. by letter. – Rp

## VIRGIN ISLANDS (British)

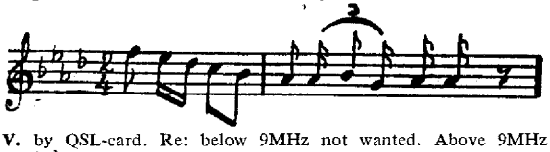
L.T: GMT – 4h – Pr.L: English.

**RADIO STATION ZBVI (Gov, Comm.)**
**ADD:** Road Town, Tortola – **L.P:** Gen. Mgr: W. N. Greer. Comm. Mgr: Mrs. N. Greer.
**STATIONS:** ZBVI 780 kHz 10kW – **HOME SCE. in English:** 10.00 (Sun 12.30) –01.00. **N:** 16.00 (rel. VOA).

## WINDWARD ISLANDS

L.T: GMT – 4h – Pr.L: English.

**WINDWARD ISLANDS BROADCASTING SERVICE(Gov.)**
**ADDR:** St. George's, Grenada, W. I. **Te:** 4251. **Cable:** Broadcasts – **L.P:** Man. Dir: A. C. G. Palmer, M.B.E. Dir. Tec: R. A. Smith, Memb. I.E.E.E.
**HOME SCE:** a) Grenada, b) Dominica, c) St. Vincent, d) St. Lucia, e) Carriacou.
St. George's a) 535kHz 0.5kW Chateaubelair c) 1535kHz 0.1kW
Castries d) 1565kHz 0.25kW Kingstown c) 705kHz 0.5kW
Roseau b) 695kHz 0.5kW Carriacou e) 1045kHz 0.1kW
All mw's: 15.45–02.15.
**Short Waves (G.C: 61.46W/12.01N):**
3280kHz 91.40m 5kW: 21.55–02.15
5015kHz 59.82m 5kW: 15.45–22.45
9550kHz 31.41m 5kW: 15.45–18.00
**N. in English** (W only): 16.00*, 16.40, 16.55, 17.15, 17.30**, 18.00*, 20.00*, 20.20, 20.30, 22.00*, 22.25, 23.00*, 23.45, 02.00 – *=BBC (Daily); **=CBC (W only).
**OVERSEAS SCE:** I=Jamacia; II=British Isles. A=Nov-Feb; B=March-Oct; All st's 5kW.
21690kHz 13.83m: B 19.45–21.30 (II).
15105kHz 19.86m: A+B 15.45–18.00, 19.45–22.45 (I).
11970kHz 25.06m: A+B 23.15–02.15 (I).
ANN: "This is the Windward Islands Broadc. Sce."
**INT-SIG:** A typical calypso phrase played on the "ping-pong", an indigenous instrument made from the top of a steel drum.



**V.** by QSL-card. Re: below 9MHz not wanted. Above 9MHz wanted.

Answered to best of ability due very limited staff

**RADIO CARIBBEAN (Comm.)**
**ADDR:** P.O. Box 121, Castries, St. Lucia W. I. **Te:** 154. **Cable:** Caradio.
**STATION** (System: Collins): 840kHz 10kW.
**HOME SCE. in English:** 10.00 (Sun 10.45) –03.00 (Sun 02.30).
**English:** 12.30–13.30 (W), 20.00–22.00 (D). **N:** 13.00, 20.00 – **French:** W 10.00–12.30, 13.30–18.30 (Sat 20.00), 22.00–03.00. Sun 10.45–20.00, 22.00–02.30. **N:** W 10.30, 11.00, 11.45, 12.15, 17.00, 23.00. 01.00. Sun 11.30, 17.00, 23.00, 01.00 – **L.L:** "Keep up your English:" Tues, Thurs, Sat 22.00 – **Request Prgr:** French: 23.30, English: 20.45 – ANN: E: "This is R. Caribbean International St. Lucia broadc. on a freq. of 840kHz in the mw band". F: "Ici R. Caraibes International, Ste. Lucie, emettant sur 840kHz" – V. by letter. Rp.

# SOUTH AMERICA

## ARGENTINA

**L.T:** April-Oct: GMT−4 h; Oct-March: GMT−3 h — **Pr.L:** Spanish.

**SECRETARIA COMUNICACIONES**
**ADDR:** Sarmiento 151, Buenos Aires. **Te:** 31-5031. **Cable:** Gentel-Baires. **L.P: Secr:** Gen. J. A. Teglia.

**CONSEJO NACIONAL DE RADIODIFUSION Y TELEVISION (CONART)**
**ADDR:** Ayacucho 1556, Buenos Aires. **L.P:** Pres: Capt C. A. Ibarra.

**R. NACIONAL (Servicio Oficial de Radiodifusion — Gov.)**
**ADDR:** Ayacucho 1556, Buenos Aires. **Te:** 84-2021 — **L.P:** Dir: Dr. T. E. Flores.

**HOME SERVICE: Short Waves:** *=Sat/Sun only.

| Call | kHz | m | kW | Name and h of tr. |
|---|---|---|---|---|
| LRA31 | 6060 | 49.50 | 50 | Buenos Aires: 11.00-05.00 |
| LRA34 | 6180 | 48.54 | 10 | Mendoza: 12.00-04.00 |
| LRA33 | 15345 | 19.55 | 50 | Buenos Aires: 11.00-18.30 |

**Medium Waves:** °=Short Wave.

| Call | kHz | kW | Name | h of tr. | |
|---|---|---|---|---|---|
| LRA13 | 560 | 10/3 | Bahía Blanca | 13.00-19.00, | 22.00-04.00 |
| LRA12 | 620 | 5 | Santo Tomé | 12.00-17.00, | 20.00-04.00 |
| LRA10 | 620 | 5 | Ushuaía | 14.00-18.00, | 22.00-03.00 |
| LRA9 | 690 | 5 | Esquel | 14.00-19.00, | 22.00-04.00 |
| LRA4 | 690 | 10/5 | Salta | 14.00-04.00 | |
| LRA3 | 730 | 20/3 | Santa Rosa | 14.00-04.00 | |
| LRA7 | 750 | 50 | Córdoba | 12.00-04.00 | |
| LRA8 | 780 | 5 | Formosa | 14.00-19.00, | 23.00-04.00 |
| LRA | °870 | 100 | Buenos Aires | 12.00-05.00 | |
| LRA11 | 900 | 5 | Comordo Rivadavia | 23.00-04.00 | |
| LRA6 | °960 | 20/5 | Mendoza | 13.00-04.00 | |
| LRA15 | 1030 | 25/5 | Tucumán | 14.00-04.00 | |
| LRA16 | 1250 | 25/5 | La Quiaca | 14.00-02.00 | |
| LRA5 | 1310 | 5 | Rosario | 12.00-04.00 | |

**D.Prgr: N:** 12.00, 16.00, 24.00 — **V.** by QSL-card.

**INTERNATIONAL SERVICE**
**ADDR:** Radiodif. Argentina al Exterior (RAE), Sarmiento 151, Buenos Aires — **L.P:** Head of Sce: A. H. Christiani.
**STATIONS: G.C:** LRA (Gral. Pacheo): 58.22W/34.36S — LRY (Hurlingham): 58.39W/34.35S. *) R. Belgrano tr's.

| Call | kHz | m | kW | Beams |
|---|---|---|---|---|
| LRY1 | *6090 | 49.26 | 100 | nd |
| LRA32 | 9690 | 30.96 | 100 | 320-348° |
| LRA35 | 11710 | 25.62 | 100 | 35° |
| LRY2 | *11780 | 25.47 | 8 | nd |

**TO EUROPE/NO. AFRICA/NEAR EAST:** 19.00-24.00, 19.00-22.00 on 6090/11710/11780kHz (19.00 Spanish, 20.00 German, 21.00 Italian); 22.00-24.00 on 11710kHz (22.00 French, 23.00 English) — **N:** Spanish 19.02, German 20.02, Italian 21.02, French 22.02, English 23.02.
**TO NO. CE. & SO. AMERICA:** 00.00-03.00 on 9690 kHz (00.00 Portuguese, 01.00 Spanish); 03.00-07.00 on 6090/9690/11780kHz (03.00 English, 04.00 Spanish, 06.00 English) — **N:** Portuguese 00.02, Spanish 01.02, 04.02, English 03.02, 06.02.
**TO ASIA:** Japanese 09.00-10.00 on 9690kHz.
**ANN:** Sp: "Aqui Argentina". G: "Hier spricht Argentinien". I: "Qui Argentina". F: "Ici l'Argentine". E: "This is Argentina Calling". P: "Aqui Argentina" — **V.** by QSL-card.

**OFFICIAL STATIONS (Gov.)**

| | Call | kHz | kW | | Call | kHz | kW |
|---|---|---|---|---|---|---|---|
| 1) | LS1 | 710 | 50 | 7) | LV18 | 1370 | 0.25 |
| 2) | LU14 | 730 | 5 | 8) | LR11 | 1390 | 5/2.5 |
| 3) | LT10 | 1020 | 10/5 | 9) | LU23 | 1430 | 0.25 |
| 4) | LT17 | 1250 | 5/2 | 10) | LV19 | 1470 | 0.25 |
| 5) | LS11 | 1270 | 30/5 | 11) | LT21 | 1520 | 0.1 |
| 6) | LV17 | 1360 | 0.25 | 12) | LT19 | 1550 | 0.25 |

Netherlands Antilles
Windward Islands
ATLANTIC OCEAN
BARRANQUILLA
CARTAGENA
COSTA RICA
PANAMA
MARACAIBO
CABELLO
CARACAS
BARQUISIMETO
CUMANA
PORT OF SPAIN
MATURIN
MERIDA
CUCUTA
SAN CRISTOBAL
CIUDAD BOLIVAR
GEORGETOWN
PARAMARIBO
MEDELLIN
BUCARAMANGA
VENEZUELA
MANIZALES
PEREIRA
BOGOTA
GUIANA
(Br.)
(Dutch.)
(Fr.)
CAYENNE
IBAQUE
COLUMBIA
CALI
NEIVA
ESMERALDAS
IBARRA
MACAPA
EQUATOR
QUITO
MANTA
AMBATO
RIO BAMBA
ECUADOR
GUAYAQUIL
CUENCA
IQUITOS
LOJA
MANAUS
BELEM
PARNAIBA
SAO LUIZ
FORTALEZA
TERESINA
PIURA
NATAL
CHICLAYO
TRUJILLO
HUARAS
CERRO DE PASCO
CALLAO
LIMA
ICA
PERU
PORTO VELHO
RIO BRANCO
BRAZIL
RECIFE
MACEIO
ARACAJÚ
SALVADOR (BAHIA)
HUANCAYO
MALDONADO
CUZCO
BOLIVIA
CUIABÁ
BRASILIA
PUNO
LA PAZ
AREQUIPA
COCHABAMBA
GOIANIA
TACNA
ORURO
SANTA CRUZ
UBERLANDIA
UBERABA
BELO HORIZONTE
SUCRE
PARAGUAY
CHILE
CAMPINAS
TAUBATE
NITEROI
LA QUIACA
SAO PAULO
RIO DE JANEIRO
ANTOFAGASTA
ASUNCION
SANTOS
SALTA
TUCUMAN
FORMOSA
ENCARNACION
CURITIBA
TROPIC OF CAPRICORN
SANTIAGO DEL ESTERO
RESISTENCIA
CORIENTES
POSADAS
FLORIANOPOLIS
CATAMARCA
SANTO TOME
SANTA MARIA
ARGENTINA
PORTO ALEGRE
S. JUAN
CORDOBA
CONCORDIA
SALTO
MENDOZA
TACUAREMBO
VALPARAISO
SAN LUIS
SANTA FE
URUGUAY
MELO
SANTIAGO
ROSARIO
COLONIA
BUENOS AIRES
MONTEVIDEO
TALCA
SAN RAFAEL
MERCEDES
LA PLATA
CONCEPCION
SANTA ROSA
AZUL
LOS ANGELES
NEUQUEN
MAR DEL PLATA
NECOCHEA
TEMUCO
BAHIA BLANCA
VALDIVIA
SAN CARLOS DE BARILOCHE
PUERTO MONTT
ESQUEL
SOUTH PACIFIC OCEAN
C. RIVADAVIA
SOUTH ATLANTIC OCEAN
RIO GALLEGOS
STANLEY
PUNTA ARENAS
USHUAIA
Falklands Islands
75°
60°
45°
30°
15°
0°
90
SOUTH AMERICA
1:40 Mill.
KM
0
500
1000
1500

# Argentina

1) **R. Municipal,** Arturo Toscanini 1168, Buenos Aires. **D.Prgr:** 10.00-06.00
2) **R. Provincia de Santa Cruz,** Roca 825, Rio Gallegos, Sta. Cruz. **D.Prgr:** 12.00-06.00
3) **R. Universal del Litoral,** 9 de Julio 3550, Santa Fé.
4) **R. Provincia de Misiones,** Junin y Rioja, Posadas, Misiones. **D.Prgr:** 10.00-04.00
5) **R. Provincia de Buenos Aires,** Ca. lo y Av. 53, La Plata. **Te:** 3-9158. **L.P:** Dir: L. Emilio A. Dir. Tec: M. Angel Caduf. **D.Prgr:** 11.00-07.00. **V.** by QSL-card or letter.
6) **Municipal de Córdoba,** Marcelo T. de Alvear y 27 de Abril, Córdoba. **D.Prgr:** 12.00-01.30
7) **R. Municipal de San Rafael,** Belgrano Com Salas, San Rafael, Mendoza. **D.Prgr:** 14.00-18.00
8) **R. Universidad de La Plata,** Plaza Rocha 133, La Plata. **D.Prgr:** 20.00-04.00
9) **R. El Turbio,** El Turbio, Santa Cruz. **D.Prgr:** 14.00-20.00
10) **R. Municipal de Malargüe,** Malargüe, Mendoza. **D.Prgr:** 14.00-18.00, 20.00-24.00
11) **R. Municipal de Alevar,** Alevar, Corrientes. **D.Prgr:** 14.00-20.00
12) **R. Municipal de Santo Tomé,** Santo Tomé, Corrientes.

## GOVERNMENT OWNED COMMERCIAL STATIONS
## ADMINISTRACIÓN GENERAL DE EMISORAS COMMERCIALES DE RADIO TELEVISION

**ADDR:** Cerrito 941, Buenos Aires. **Te:** 42-0411.
**Short Waves:** Location: Buenos Aires (all Gov. operated).

| | Call | kHz | m | kW | Name | h of tr. |
|---|---|---|---|---|---|---|
| 1) | LRS2 | 5985 | 50.13 | 1 | R. Splendid: | 10.30-05.00 |
| 2) | LRY1 | 6090 | 49.26 | 100 | R. Belgrano: | 16.00-08.00 |
| 3) | LRX1 | 6120 | 49.02 | 10 | R. El Mundo: | 16.00-17.30, 23.30-02.05 |
| 3) | LRX2 | 9710 | 30.90 | 6 | R. El Mundo: | 16.00-17.30, 23.30-02.05 |
| 1) | LRS1 | 9740 | 30.79 | 10 | R. Splendid: | 10.30-05.00 |
| 2) | LRY2 | 11780 | 25.47 | 8 | R. Belgrano: | 09.45-17.45, 19.00-23.00, 02.00-08.00 |
| 1) | LRS | 11880 | 25.25 | 20 | R. Splendid: | 10.30-05.00 |
| 3) | LRU | 15290 | 19.62 | 10 | R. El Mundo: | 14.00-15.45 |

## PRIVATELY OWNED COMMERCIAL STATIONS
## ACOCIACIÓN RADIODIFUSORAS PRIVADAS ARGENTINAS (A.R.P.A.)

**ADDR:** Cangallo 1561, Buenos Aires. **Te:** 354412. **L.P:** Dir: F. P. Cachau.
**Medium Waves:** °=Short Wave.

| | Call | kHz | kW | | Call | kHz | kW | | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4) | LV1 | 560 | 10/3 | 27) | LT12 | 840 | 10/5 | 47) | LW3 | 1190 | 10/5 |
| 5) | LT15 | 560 | 5/3 | 28) | LV4 | 840 | 5 | 48) | LU3 | 1200 | 25/5 |
| 6) | LW1 | 580 | 10/5 | 29) | LV7 | 900 | 10/5 | 49) | LT6 | 1200 | 5/3 |
| 7) | LU20 | 580 | 5 | 1) | LR4 | °910 | 50 | 50) | LV3 | 1210 | 25/5 |
| 8) | LV12 | 590 | 25/5 | 2) | LR3 | °950 | 50 | 51) | LT2 | 1230 | 15/5 |
| 9) | LS4 | 590 | 10/5 | 30) | LW8 | 960 | 25/5 | 52) | LU10 | 1240 | 10/5 |
| 10) | LU8 | 590 | 5/1 | 31) | LV2 | 970 | 25/5 | 53) | LV13 | 1250 | 5 |
| 11) | LV14 | 620 | 5/1.5 | 32) | LR5 | 990 | 50 | 54) | LT6 | 1260 | 5/2.5 |
| 12) | LS5 | 630 | 20/4 | 33) | LT4 | 1010 | 25/3 | 55) | LT11 | 1300 | 3/1.5 |
| 13) | LU4 | 640 | 25/5 | 34) | LV16 | 1010 | 10/3 | 56) | LU13 | 1300 | 10/1.5 |
| 14) | LV15 | 640 | 1 | 35) | LU21 | 1020 | 5 | 57) | LT14 | 1330 | 10/2.5 |
| 15) | LU9 | 670 | 25/5 | 36) | LS10 | 1030 | 25/5 | 58) | LU19 | 1340 | 2 |
| 16) | LT7 | 670 | 5/1 | 3) | LR1 | °1070 | 110 | 59) | LU11 | 1340 | 0.25 |
| 17) | LU12 | 680 | 25/5 | 37) | LU16 | 1080 | 5 | 60) | LS6 | 1350 | 25/5 |
| 18) | LV6 | 680 | 25/5 | 38) | LV5 | 1090 | 25/5 | 61) | LT23 | 1430 | 0.25 |
| 19) | LV10 | 720 | 20/5 | 39) | LR2 | 1110 | 20/5 | 62) | LU17 | 1430 | 0.25 |
| 20) | LW7 | 730 | 5/1 | 40) | LU7 | 1120 | 10/5 | 63) | LU15 | 1440 | 0.25 |
| 21) | LV8 | 780 | 10/5 | 41) | LU5 | 1130 | 20/5 | 64) | LW2 | 1460 | 0.25 |
| 22) | LR6 | 790 | 50 | 42) | LV11 | 1130 | 25/5 | 65) | LT13 | 1470 | 0.25 |
| 23) | LU2 | 820 | 25/5 | 43) | LT5 | 1150 | 25/5 | 66) | LW4 | 1510 | 0.25 |
| 24) | LT16 | 820 | 20/3 | 44) | LU6 | 1150 | 25/5 | 67) | LU18 | 1510 | 0.25 |
| 25) | LT8 | 830 | 10/5 | 45) | LT3 | 1160 | 10/5 | 68) | LT18 | 1550 | 0.25 |
| 26) | LV9 | 830 | 25/5 | 46) | LR9 | 1190 | 5 | | | | |

**Priv. st's:** 4), 5), 9), 12), 15), 16), 17), 18), 19), 24), 26), 32), 33), 34), 36), 48), 51), 53), 55), 59) and 60)-68).

**Short Waves:**
1) Uruguay 1237, Buenos Aires. **Te:** 42-9602. **D.Prgr:** 10.00-05.00. **N:** 10.00 and every h on the h from 11.00. **ANN:** "LR4, R. Splendid de Buenos Aires, con sus ondas cortas, LRS, LRS1 y LRS2 de la Red Argentina de Emisoras Splendid" **INT-SIG:** 4 notes on electronic gong. **V.** by QSL-card.
2) Ayacucho 2075, Buenos Aires. **Te:** 42.9661. **D.Prgr:** 09.45-06.00. **N:** 10.00, 11.00, 15.00, 16.00, 20.00, 22.00, 01.00, 03.00, 04.00, (6090 and 11780kHz partly relaying R. Nacional). **Ann:** "Transmite LR3 R. Belgrano de Buenos Aires, con sus ondas cortas LRY1, LRY2 y su circuito de emisoras del Interior", **INT-SIG:** 4 notes on vibraphone. **V.** by QSL-card.
3) Maipu 555, Buenos Aires. **D.Prgr:** 10.00-05.00. **ANN:** "LR1, R. El Mundo de Buenos Aires y su Red Azul y Blanca de Emisoras Argentina". **INT-SIG:** Gong. **V.** by QSL-card.

**Medium Waves:** D.Prgr's 11.00-05.00 exc. where indicated.
4) **R. Colón,** Mendoza 369, San Juan. **L.P:** Dir: J. Graffigna. **D.Prgr:** 10.30-05.30. **V.** by letter. Recordings accepted.
5) **R. Concordia,** La Rioja 622, Concordia, Entre Ríos. **L.P:** Dir: C. Pinola. **D.Prgr:** 10.30-06.00
6) **R. Univ. de Córdoba,** Rivera Indarte 170, Córdoba. **L.P:** Dir: F. Gazón M. **D.Prgr:** 10.00-05.30
7) **R. Chubut,** Italia 47, Trelew, Chubut. **L.P:** Dir: T. Borie. **D.Prgr:** 10.30-04.05
8) **R. Independencia,** Rivadavia 118, Tucumán. **L.P:** Dir: L. F. Graus. **D.Prgr:** 11.00-06.00
9) **R. Porteña,** Azcuenaga 1625, Buenos Aires. **L.P:** Dir: T. Bidegain. **D.Prgr:** 24 h
10) **R. Bariloche,** San Carlos de Bariloche, Río Negro. **L.P:** Dir: A. Genzano. **D.Prgr:** 12.00-04.30
11) **R. Joaquin V. Gonzáles,** Mitre 743, La Rioja. **L.P:** Dir: A. R. Parada. **D.Prgr:** 11.00-04.30
12) **R. Rivadavia,** Arenales 2467, Buenos Aires. **L.P:** Dir: J. Monk. **D.Prgr:** 24 h
13) **R. Patagonia Argentina,** Moreno 765, Comodoro Rivadavia. **L.P:** Dir: O. Caridad. **D.Prgr:** 10.00-04.30
14) **R. Villa Mercedes,** Balcarce 470, Villa Mercedes, San Luis. **L.P:** L. Urtubey. **D.Prgr:** 10.55-04.00
15) **R. Mar del Plata,** Córdoba 1861, Mar del Plata. **L.P:** Dir: E. Marín P. **D.Prgr:** 24 h
16) **R. Provincia de Corrientes,** Rioja 743, Corrientes. **L.P:** Dir: J. F. Gómez. **D.Prgr:** 10.30-04.30
17) **R. Río Gallegos,** Av. San Martín 461, Río Gallegos, Santa Cruz. **L.P:** Dir: A. R. Segovia. **D.Prgr:** 13.00-04.00
18) **R. Nihuil,** Rioja 1239, Mendoza. **L.P:** Dir: G. F. Sánchez C. **D.Prgr:** 10.00-06.00
19) **R. de Cuyo,** Av. San Martín y Gral Paz, Mendoza. **L.P:** Dir: M. Fernández R. **D.Prgr:** 24 h
20) **R. Catamarca,** Rivadavia 741, Catamarca. **L.P:** Dir: E. Nayip M. **D.Prgr:** 11.55-04.00
21) **R. Liberator,** Rioja 1484, Mendoza. **L.P:** Dir: A. Benítez. **D.Prgr:** 10.00-05.30
22) **R. Mitre,** Arenales 1925, Buenos Aires. **L.P:** Dir. F. Ferritti. **D.Prgr:** 24 h
23) **R. Bahia Blanca,** Sarmiento 54, Bahía Blanca. **L.P:** Dir: D. J. de Massot. **D.Prgr:** 10.00-08.00
24) **R. Splendid,** Urquiza 585, Presidencia Roque Saenz Peña, Chaco. **L.P:** Dir: M. Alberti. **D.Prgr:** 10.00-04.30
25) **R. Rosario,** Córdoba 1825, Rosario. **L.P:** Dir: A. Vitola. **D.Prgr:** 09.00-06.00
26) **R. Güemes,** Deán Funes 28, Salta. **L.P:** J. Bardesi. **D.Prgr:** 10.30-07.00
27) **R. General Madariaga,** Av. General San Martín 2081, Paso de los Libres, Corrientes. **L.P:** Dir: R. Vertiz. **D.Prgr:** 11.00-04.00
28) **R. Splendid,** Irigoyen y Francia, San Rafael, Mendoza. **L.P:** Dir: C. G. Balmaceda. **D.Prgr:** 10.30-05.00
29) **R. Tucumán,** Mendoza 273, Tucumán. **L.P:** Dir: J. Dip. **D.Prgr:** 10.30-05.30
30) **R. Jujuy,** Ramírez de Velazco 253, Jujuy.
31) **R. La Voz de la Libertad,** Maipú 166, Córdoba. **L.P:** Dir: D. D. de Agüero. **D.Prgr:** 10.00-04.00
32) **R. Excelsior,** Rivadavia 827, Buenos Aires. **L.P:** Dir: M. de Laferrere. **D.Prgr:** 10.00-06.00
33) **R. Misiones,** Radioparque, Posadas, Misiones. **L.P:** Dir: C. Madelaire. **D.Prgr:** 24 h. **V.** by letter. Recordings accepted.
34) **R. Ranquel,** Constitución 399, Río Cuarto, Córdoba. **L.P:** Dir: O. M. Reynero. **D.Prgr:** 10.30-04.30
35) **R. Golfo San Jorge.** Don Bosco y Ruta 3, Caleta Olivia, Santa Cruz. **L.P:** Dir: H. Ferro. **D.Prgr:** 11.00-04.00
36) **R. Libertad,** Florida 165, Buenos Aires. **L.P:** Dir: V. Romay. **D.Prgr:** 24 h
37) **R. Río Negro,** Reconquista 135, Villa Regina, Río Negro. **L.P:** Dir: J. E. Noguer. **D.Prgr:** 12.00-04.00
38) **R. Sarmiento,** Mendoza 466, San Juan. **L.P:** Dir: E. P. Sarmiento. **D.Prgr:** 10.30-05.30
39) **R. Argentina,** Santa Fé 2043, Buenos Aires. **L.P:** Dir: A. Almanza. **D.Prgr:** 11.00-06.00
40) **R. General San Martín,** Alsina 247, Bahía Blanca. **L.P:** Dir: R. Sande. **D.Prgr:** 11.00-05.00
41) **R. Splendid,** Juan B. Alberdi 189, Neuquén. **L.P:** Dir: E. Duran C. **D.Prgr:** 11.00-04.30
42) **R. del Norte,** Libertad 251, Santiago del Estero. **L.P:** Dir: J. Binotti. **D.Prgr:** 11.00-04.00
43) **R. Chaco,** 9 de Julio 1855, Resistencia, Chaco. **L.P:** Dir: O. Benitez. **D.Prgr:** 10.00-05.00
44) **R. Atlántica,** San Martín 2583, Mar del Plata. **L.P:** Dir: M. R. Iglesias. **D.Prgr:** 10.00-07.00. **V.** by letter.
45) **R. Cerealista,** Balcarce 840, Rosario. **L.P:** Dir: A. Ciampoli. **D.Prgr:** 10.00-05.00
46) **R. Antártida,** Arenales 1925, Buenos Aires. **L.P:** Dir: F. Ferretti. **D.Prgr:** 11.00-04.00
47) **R. Splendid Tucumán,** Mendoza 225, Tucumán. **L.P:** Dir: E. Valey. **D.Prgr:** 10.55-06.00
48) **R. del Sur,** Lamadrid 116, Bahía Blanca. **L.P:** Dir: R. Mazeris. **D.Prgr:** 10.00-05.00. **V.** by letter. Recordings accepted.
49) **R. Genaro Berón de Astrada,** Mariano I. Lloza 231, Goya, Corrientes. **L.P:** Dir: D. E. Mariño. **D.Prgr:** 10.30-04.00

50) **R. Córdoba,** San Martín 60, Córdoba. **L.P:** Dir: L. Fernando F.
51) **R. Splendid Rosario,** Santa Fe 1388, Rosario. **L.P:** Dir: J. Migno. **D.Prgr:** 10.00-05.00
52) **R. Azul,** Av. Mitre 819, Azul. **L.P:** Dir: José Borrero. **V.** by letter
53) **R. Granaderos Puntanos de San Luis,** Rivadavia 563, San Luis.
54) **R. Santa Fe,** San Martín 2685, Santa Fé. **L.P:** Dir: R. Savio. **D.Prgr:** 24 h
55) **R. Splendid,** Onésimo Leguizamón 269, Concepción del Uruguay, Entre Ríos. **L.P:** Dir: A. Moret. **D.Prgr:** 10.30-04.00
56) **R. Necochea,** Gran Galeria Central, Necochea. **L.P:** Dir: M. R. G. de Rico. **D.Prgr:** 10.30-05.00
57) **R. General Urquiza,** Rivadavia 126, Paraná, Entre Ríos. **L.P:** Dir: C. M. Wildener Fox. **D.Prgr:** 10.00-04.00
58) **R. La Voz del Comahue,** Casilla Correo 14. **L.P:** Dir. R. Rost. **D.Prgr:** 10.00-04.30
59) **Radioemisora del Oeste,** Cas. 36, Trenque Lauquen. **L.P:** Dir: R. Saez. **D.Prgr:** 10.30-03.30
60) **R. América,** J. A. Pacheco de Melo 2178, Buenos Aires. **L.P:** Dir: M. Campollops.
61) **R. San Jenaro Norte,** San Martín y Blvd. Inglaterra, San Jenaro Norte, Santa Fé. **D.Prgr:** 11.00-03.00
62) **R. Golfo Nuevo,** B. Mitre y Estivariz, Puerto Madryn, Chubut. **L.P:** Dir: E. J. Cassani. **D.Prgr:** 11.00-04.00
63) **R. Viedma,** Rivadavia 336, Viedma, Río Negro. **L.P:** Dir: O. Liccardi. **D.Prgr:** 12.00-04.00
64) **R. Tartagal,** Gorriti 524, Tartagal, Salta. **L.P:** Dir: N. S. Martínez Gil. **D.Prgr:** 12.00-04.00
65) **R. Oberá,** Larrea 886, Oberá, Misiones. **L.P:** Dir: H. Amable. **D.Prgr:** 10.00-04.00
66) **R. Orán,** 9 de Julio 163, Orán, Salta. **L.P:** Dir: G. Bernad. **D.Prgr:** 12.00-04.00. **V.** by letter. Recordings accepted.
67) **R. El Valle,** 25 de Mayo 880, General Roca, Río Negro. **L.P:** Dir. H. Cozzi. **D.Prgr:** 11.00-04.30
68) **R. Eldorado,** Casilla Correo 218, Eldorado, Misiones. **L.P:** Dir: M. A. Murad. **D.Prgr:** 10.00-02.00. **V.** by letter. Recordings accepted.

## BOLIVIA

**L.T:** GMT−4 h — **Pr.L:** Spanish.

**DIRECCION GENERAL DE TELECOMUNICACIONES**
**Departmento de Radiodifusion, La Paz — L.P:** Dir. Gen: H. Valdivia.

**ASOCIACION BOLIVIANA DE RADIODIFUSORAS, (ASBORA)**
Casilla 2431, La Paz. **Te:** 25883. **L.P:** Pres: A. Mendez. Vice Pres: R. Salmón. Secr. Gen: E. Crespo. Permanent Secr: B. Latapia. L.T.
**STATIONS:** All st's comm. exc. 11), 22) (Rel), 31) (Gov).
**Short Waves:** *=inactive.

| Call | kHz | m | kW | Name and h of tr. |
|---|---|---|---|---|
| 1) CP103 | 3350 | 89.55 | 1 | R. 27 de Diciembre, Villa Montes |
| 2) CP85 | 3370 | 89.02 | 0.5 | R. Universidad, Tarija |
| 3) CP62 | 4760 | 63.03 | 5 | Radioem. Bolivia, Oruro: 10.00-04.00 |
| 4) CP56 | 4775 | 62.84 | 0.1 | R. Onkoi, Concepción |
| 5) CP74 | 4785 | 62.70 | 1 | R. Indoamérica, Potosi: 11.30-03.00 |
| 6) CP73 | 4795 | 62.57 | 1 | R. Nueva América, La Paz: 10.55-18.30, 22.00-05.00 |
| 7) CP84 | 4815 | 62.31 | 1 | R. Los Andes, Tarija: 10.00-22.00 |
| 8) CP70 | 4825 | 62.18 | 1 | R. Grigota, Sta. Cruz: 10.00-03.00 |
| 9) CP12 | *4845 | 61.92 | 5 | R. Fides, Las Paz |
| 10) CP66 | 4855 | 61.79 | 1 | R. Centenario, Sta. Cruz. |
| 11) CP59 | 4855 | 61.79 | 1 | R. Cobija, Cobija: 10.00-03.00 |
| 12) CP105 | 4885 | 61.45 | 0.5 | R. Ibare, Trinidad: 14.00-17.30, 21.00-01.00 |
| 13) CP77 | 4885 | 61.45 | 1 | R. Sararenda, Camiri: 11.00-03.00 |
| 14) CP88 | 4915 | 61.03 | 1 | R. Amboro, Sta. Cruz |
| 15) CP110 | 4935 | 60.80 | 1 | R. Norte, Montero |
| 16) CP90 | 4965 | 60.42 | 1 | R. Juan XXIII, San Ignacio de Vel. |
| 17) CP75 | 4985 | 60.75 | 10 | La Cruz del Sur, La Paz: 11.00-14.00, 16.00-18.00, 22.00-03.00 |
| 18) CP48 | 5015 | 59.82 | 1 | R. Universo, La Paz. |
| 19) CP106 | 5025 | 59.70 | 1 | R. Litoral, Cochabamba. |
| 20) CP38 | 5045 | 59.46 | 5 | R. Altiplano, La Paz: 12.00-23.00 |
| 21) CP89 | 5055 | 59.35 | 5 | R. San Rafael, Cochabamba: 10.00-04.00 |
| 22) CP5 | 5955 | 50.38 | 1 | R. Pio XII, Siglo XX: 08.30-13.30, 14.30-19.00, 20.45-04.00 |
| 23) CP44 | 5975 | 50.21 | 1 | R. Nacional, Cochabamba: 12.00-03.00 |
| 24) CP41 | 5995 | 50.04 | 1 | R. Loyola, Sucre: 12.00-22.00 |
| 25) CP58 | 6005 | 49.96 | 10 | R. Progreso, La Paz |
| 26) CP18 | 6055 | 49.55 | 1 | R. El Condor, Oruro: 12.00-18.00, 22.00-03.00 |
| 27) CP15 | 6125 | 48.98 | 1 | R. El Condor, La Paz: 12.00-03.00 |
| 28) CP30 | 6135 | 48.94 | 1 | R. Sta. Cruz, Sta. Cruz: 15.00-18.00, 22.00-03.00 |
| 29) CP81 | 6140 | 48.86 | 0.5 | R. Luis de Fuentes, Terija: 11.30-23.00, 00.30-03.30 |
| 9) CP12 | 6155 | 48.74 | 1 | R. Fides, La Paz: 10.30-19.00, 22.00-02.30 |
| 30) CP9 | 6185 | 48.50 | 1 | R. Amauta, La Paz: 11.00-13.00, 00.00-03.00 |
| 18) CP64 | 9505 | 31.50 | 1 | R. Universo, La Paz. |
| 31) CP6 | 9555 | 31.40 | 10 | Emisora del Estado, La Paz: 10.00-13.00, 16.00-22.00 |
| 32) CP21 | 9715 | 30.88 | 1 | R. La Plata, Sucre: 12.00-18.00, 22.00-03.00 |
| 31) CP7 | *11765 | 25.50 | 10 | Emisora del Estado, La Paz |

**Medium Waves:** °=also on Short Wave.

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 33) CP63 | 620 | 1 | 42) CP67 | 1200 | 1 | 48) CP36 | 1330 | 0.25 |
| 34) CP34 | 680 | 5 | 43) CP37 | 1200 | 0.25 | 49) CP - - | 1330 | 0.25 |
| 17) CP27 | °730 | 10 | 32) CP54 | °1250 | 0.25 | 50) CP82 | 1350 | 1 |
| 18) CP46 | °780 | 0.25 | 11) CP47 | °1250 | 0.25 | 8) CP24 | °1340 | 0.25 |
| 35) CP108 | 780 | 0.25 | 13) CP17 | °1250 | 0.25 | 51) CP3 | 1390 | 1 |
| 36) CP52 | 780 | 0.25 | 7) CP16 | °1250 | 0.25 | 52) CP49 | 1420 | 1 |
| 20) CP35 | °820 | 1 | 5) CP53 | °1250 | 0.25 | 53) CP104 | 1440 | 0.5 |
| 27) CP20 | °900 | 0.25 | 23) CP69 | °1250 | 0.25 | 54) CP107 | 1440 | 0.25 |
| 37) CP28 | 900 | 0.25 | 44) CP14 | 1250 | 1 | 6) CP8 | °1470 | 1 |
| 30) CP11 | °930 | 0.25 | 45) CP65 | 1250 | 0.25 | 55) CP1 | 1510 | 0.25 |
| 28) CP32 | °960 | 0.25 | 12) CP100 | °1250 | 0.25 | 56) CP79 | 1510 | 0.25 |
| 38) CP93 | 960 | 0.25 | 14) CP26 | °1250 | 0.25 | 19) CP80 | °1510 | 0.25 |
| 31) CP4 | °1020 | 20 | 46) CP55 | 1270 | 0.25 | 57) CP79 | 1510 | 0.25 |
| 25) CP57 | °1090 | 10 | 24) CP51 | °1300 | 0.25 | 1) CP102 | °1510 | 0.25 |
| 10) CP25 | °1160 | 0.25 | 9) CP29 | °1300 | 1 | 22) CP50 | °1550 | 1 |
| 39) CP78 | 1160 | 0.25 | 21) CP68 | °1300 | 1 | 15) CP83 | °1550 | 0.5 |
| 40) CP19 | 1160 | 0.5 | 47) CP45 | 1330 | 0.25 | 3) CP61 | °1550 | 1 |
| 41) CP98 | 1160 | 0.25 | | | | | | |

**Short Waves:**
1) Correo Central, Villa Montes.
2) Tarija.
3) Cas. 525, Oruro. **Te:** 51944. **L.P:** Dir: R. P. Santiago G. Dir. Tec: R. Von Borries **M. D.Prgr: N:** 11.25, 16.25, 23.25. **Ann:** "Radioemisoras Bolivia, su nueva amiga, puntual servicial y siempre jovial . . . . CP61 y CP62, 4760kc, 60 metros onda corta, 1450kc onda larga y 158Mc FM en Oruro". **V.** by letter. Recordings accepted.
4) Correo Central, Concepción, Santa Cruz.
5) Ca. Mattos 35, Potosi.
6) Cas. 2431, La Paz. **Te:** 2-5883. **L.P:** Dir. Gen: R. Salmon. **D.Prgr: N:** 12.00, 17.00, 24.00.
7) 15 de Abril 828, Tarija. **L.P:** Dir. J. Rollano M.
8) Cas 203, Sta. Cruz. **Te:** 309. **Cable:** Grigota. **L.P:** Dir. Gen: D. Arteaga F. **D.Prgr: N:** 11.35, 16.15, 17.30, 24.00. **Ann:** "CP24 y CP70 Estaciones Radiofonicas Grigota, La Voz del Oriente Boliviano". **V.** by letter.
9) Cas. 283, La Paz. **Te:** 24422. **L.P:** Dir. Gen: J. Gramunt. Dir. Tec: J. M. Lop. **D.Prgr: N:** 11.30, 12.45, 01.00. **Ann:** "R. Fides de la Paz, La Voz Católica de Bolivia".
10) Argamosa 2, Sta. Cruz.
11) Correo Central, Cobija. **LP:** Dir: J. Landivar.
12) Correo Central, Trinidad.
13) Correo Central, Soc. Ltda, Sararenda Camiri. **L.P:** Dir. Gen: H. Eyaguirre S. **D.Prgr: N:** 16.10, 01.00. **V.** by letter.
14) Libertad 348, Santa Cruz.
15) Correo Central, Montero, Sta. Cruz.
16) Correo Central, S. Ignacio de Vel.
17) Cajón 1408, La Paz. **Te:** 25578. **L.P:** Dir. Adm: H. Parent. Dir. Prgr: M. Harrington. Dir. Tec: F. Fortes. **D.Prgr:** 11.00-14.00, 16.00-18.00, 22.00-03.00. **N:** 12.00, 17.00, 00.00. **English:** D 02.30 (or 02.40); **"E by R":** Mon-Fri 22.45. **German:** 11.30, Sun 12.00. **Ann:** E: "This is CP27, the Southern Cross Radio". Sp: "R. La Cruz del Sur, Luz que señala el camino de la vida". **Int-Sig:** Opens with "God of our Fathers", closes with "The Heavens are telling". **V.** by QSL-card. Recordings accepted. **Pub:** Prgr schedule free.
18) Casilla 232, La Paz. **Te:** 2-2995. **Cable:** Dico. **L.P:** Dir. Gen: J. Blanco G. Dir. Tec: A. Berthin M. **V.** by letter.
19) Casilla 1009, Cochabamba. **Te:** 3827. **L.P:** Dir: M. Orgas E.
20) Av. Camacho 1458, La Paz. **Te:** 10906.
21) Cas. 546, Cochabamba. **Te:** 4495. **L.P:** Dir: Rev. L. J. Summer. Dir. Tec: W. Resch. **D.Prgr: N:** 11.15, 16.45, 23.00, 01.00. **Ann:** "R. San Rafael, Cochabamba".
22) Correo Central, Llallagua. **L.P:** Dir. Gen: Rev. Padre G. Dicaire O.M.I. Dir. Tec: V. Fernández C. Dir. Prgr: M. Otero. **D.Prgr: N:** 11.20, 13.00, 15.00, 16.20, 18.00, 23.20. **V.** by letter. Recordings accepted.
23) Cas. 526, Cochabamba. **Te:** 5914. **L.P:** Dir. Gen: A. Lopéz. Dir: J. Cruz A.
24) Cas. 155, Sucre. **Te:** 1677. **Cable:** Radioloyola. **L.P:** Dir. Gen: R. Aguilo. Dir. Tec: J. Lora. **D.Prgr:** 11.00-03.00 (mw). **N:** 12.00, 14.00, 15.30, 16.00, 16.45, 18.00, 22.00, 02.00. **Ann:**

"Radiomisoras Loyola, Voluntad Católica de Bolivia". **V.** by letter. Recordings accepted.
25) Cas. 611, La Paz.
26) La Plata 1139, Oruro.
27) Correo Central, La Paz. **Te:** 2-3070. **D.Prgr: N:** 11.30, 16.30, 23.30, 02.30. **Ann:** "Estas son CP15 y CP20 estaciones de ondas cortas y larga de R. El Condor, La Voz Ferrovario, desde La Paz, Bolivia". **V.** by letter.
28) Cas. 672, Sta. Cruz. **Te:** 31. **L.P:** Dir. E. Peña S.
29) Cas. 125, Tarija.
30) Cas. 586, La Paz. **L.P:** Dir. Gen: L. S. Perez. Dir. Tec: J. J. Saavedra M. **D.Prgr: N:** 11.15, 16.45, 00.30.
31) Ca. Ayacucho 467, La Paz. **Te:** 29686. **L.P:** Dir. Gen: M. Ortiz O. Dir. Tec: F. Ballivián. **D.Prgr:** 10.00-04.00. **Ann:** "Desde La Paz, República de Bolivia, transmite CP4 y CP5, Emisora del Estado, La Voz de Bolivia". **V.** by letter. Recordings accepted. **F.Pl:** 4 relay st's on 1020kHz.
32) Plaza 25 de Mayo 41, Sucre, Chuquisaca. **Te:** 1231. **L.P:** Dir: G. Donosa T.

**Medium Waves:**
33) **R. San Gabriel,** Cas. 1071, La Paz. **V.** by letter or QSL-card.
34) **R. Mendez,** Cas 221, La Paz.
35) **R. Independencia,** Correo Central Quillacollo, Cochabamba.
36) **R. Potosi,** Cas. 150, Potosi.
37) **R. Cochabamba,** Cas. 886, Cochabamba.
38) **R. Kollasuyo,** Correo Central, Potosi.
39) **R. Tunari,** Cochabamba. **L.P:** Dir: R. Montecinos L.
40) **R. Aspiazu,** Indaburo 971, La Paz.
41) **R. Nuevo Mundo,** Correo Central, Sucre.
42) **R. Splendid,** Av. Arce 2164, La Paz. **L.P:** Dir: G. Velasco A.
43) **R. Santa Ana,** Ca. Cobija 258, Sta. Ana Yacuma, Beni. **L.P:** Dir: J. Rivas S.
44) **Emisoras "Unidas Ltda",** Av. Camacho 1324, La Paz.
45) **R. Oruro,** Correo Central, Oruro. **D.Prgr:** 14.00-19.00, 21.00-03.00
46) **R. Universidad,** Universidad Técnica, Oruro.
47) **R. Cultura,** Cas. 422, Cochabamba. **L.P:** Dir. J. Maldonado.
48) **R. Mercurio,** Cas. 496, Oruro.
49) **R. Trinidad,** Ca. 18de Noviembre, Trinidad. **L.P:** Dir. A. Parada S.
50) **R. Electra,** Correo Central, Potosi.
51) **R. Nacional de Bolivia,** Cap. Castrillo 460, La Paz. **Te:** 29967. **L.P:** Dir. E. Costas. **D.Prgr:** 09.00-04.00. **V.** by letter. Recordings accepted.
52) **R. Centro,** Cas. 839, Cochabamba.
53) **R. Oriente,** Correo Central, Camiri, Sta. Cruz.
54) **R. Yaguari,** Correo Central, Vallegrande, Sta. Cruz.
55) **R. Chuquidaca,** Indaburo 1268, La Paz.
56) **R. La Voz Nacional,** Correo Central, Tarija.
57) **La Voz Nacional,** Correo Central, Tarija.

## BRAZIL

**L.T:** Eastern (Coastal): GMT−3 h (Su: GMT−2 h). Western: GMT-4h (Su: GMT-3 h). Acre: GMT-5 h (Su: GMT-4h) — **Pr.L:** Portuguese.

### CONSELHO NACIONAL DE TELECOMUNICACOES

(National Council of Telecommunications), Rua Miguel Couto 105, Rio de Janeiro.

### ASSOCIACAO BRASILEIRA DE EMISSORAS DE RADIO E TELEVISAO

**Addr:** Av. Rio Branco 4, salas 901-903, Rio de Janeiro, G.B. **Te:** 43-87-26. **Cable:** Abertrio — **L.P:** Pres: Dr. J. de Medeiros Calmon. Vice Pres: Dr. F. Alcaras Gomes, P. Cabral de Araujo and J. J. Saad. Exec. Dir: R. Tavares. Secr: J. Almeida Castro and H. V. Ferlanto.
St's belonging to A.B.E.R.T.: 1), 6), 7), 8), 10), 11), 17), 18), 21), 22), 23), 25), 31), 34), 35), 36), 38), 39), 42), 43), 45), 47), 48), 51), 53), 54), 56), 57), 58), 59), 60), 61), 63), 65), 66), 67), 70), 71), 72), 74), 75), 76), 78), 79), 80), 81), 83), 84), 85), 87), 88), 89), 91), 96), 98), 99), 102), 103), 104), 109), 110), 111), 112), 114), 116), 118), 126), 127), 128), 130), 132), 133), 134)+236 m.w. st's.

### DIARIOS EMISSORAS ASSOCIADOS

Internat. Relations Dept. Directorate for Production & Technical Assistance: Rus S. Cabral 103, Rio de Janeiro, G.B. **Te:** 22-0182. **Cable:** Silapress or Meridiano. **Telex:** 031.380 — **L.P:** Dir. Gen: Dr. João de Medeiros Calmon. Exec. Dir: Dr. Jose de Almeida Castro. Head, Internat. Division: Miss Maria Porto.
St's belonging to Diarios Associados: 23), 34), 36), 63), 70), 79), 96), 102), 110), 111), 112), 116), 117), 130), 132), 133), 163), 204), 209), 240), 281), 293), 343).
All prgr. details are subject to alterations without notice.
**NB:** All st's carry "A Voz do Brazil" at 22.00.

**STATIONS:** Short Waves: †=inactive.

| Call | kHz | m | kW | Name | h. of tr. |
|---|---|---|---|---|---|
| 1) ZYV30 | 2340 | 128.4 | 0.5 | R.Dif. Brasileira Uberlandia | 09.00-02.00 |
| 2) ZYB | 2350 | 127.6 | 1 | R.Dif. Itacoatiara | 10.00-01.00 |
| 3) | 2360 | 127.1 | 0.25 | R.Dif. Parintins | 10.00-01.00 |
| 4) | 2360 | 127.1 | 1 | R. Cultura do Nordeste, Caruaru | 10.00-24.00 |
| 5) | †2370 | 126.1 | 0.25 | R.Cl. Fluminense, Sao João de Meriti | |
| 6) | 2380 | 126.0 | 0.25 | R. Educadora de Limeira | 09.00-02.00 |
| 7) ZYV71 | 2390 | 125.5 | 0.5 | R. Por Um Mundo, Melhor, G. Valadares | 09.00-03.00 |
| 8) | †2390 | 125.5 | 0.5 | R. Cultura de Monte Alto, Jaboticabal | |
| 9) | 2400 | 125.0 | 0.1 | R. Mossoró | 09.00-03.00 |
| 10) | 2400 | 125.0 | 0.5 | R.Dif. de Amparo | 08.30-24.00 |
| 11) ZYW32 | 2420 | 124.0 | 0.5 | R. Carajá, Anápolis | 09.00-01.00 |
| 12) | 2410 | 124.1 | 1 | R. Sirena, Leopoldina | 11.00-01.00 |
| 13) | 2410 | 124.1 | 1 | R. Emissora Educação Rural, Santarem | 09.00-03.00 |
| 14) | 2420 | 124.0 | 0.5 | R. São Carlos | 09.00-04.00 |
| 15) | 2420 | 124.0 | 0.25 | R. Carolina | 11.00-24.00 |
| 16) | †2430 | 123.5 | 0.25 | Dif. Rio Bonito | |
| 17) ZYR231 | 2450 | 122.4 | 0.5 | R. Cultura de Araçatuba | 08.00-04.00 |
| 18) ZYR99 | 2470 | 121.5 | 0.5 | R. Cacique de Sorocaba | 08.00-04.00 |
| 19) ZYR | 2480 | 121.0 | 1 | R. Bragança, Bragança Paulista | 09.00-02.30 |
| 20) ZYL23 | 3245 | 92.45 | 1 | R. Educ. Palmares de Alagaos, Maceio | |
| 21) ZYN62 | 3255 | 92.16 | 0.5 | R.Cl. de Marilia | 00.00-02.30 |
| 22) ZYR92 | 3265 | 91.87 | 4 | R. Ribeirão Preto | 08.30-02.30 |
| 23) ZYK21 | 3265 | 91.87 | 1 | R. Tamandaré, Recife | 08.00-04.30 |
| 24) ZYR31 | 3275 | 91.60 | 1 | R.Cl. Buaru | 09.00-02.00 |
| 25) ZYR89 | 3285 | 91.32 | 1 | R. Aparecida | 09.00-03.00 |
| 26) | 3285 | 91.32 | 1 | Emis. da Educacão Rural, Natal | 08.00-02.00 |
| 27) ZYV75 | 3295 | 91.00 | 0.5 | R. Educ. de Uberlandia | 08.45-03.00 |
| 28) ZYX28 | 3295 | 91.00 | 1 | R. Educação Rural, Campo Grande | 16.00-22.00 |
| 29) | 3295 | 91.00 | 1 | R. Cultura de Serguipe, Aracaju | |
| 30) ZYH31 | †3305 | 90.77 | 1 | R. Educadora do Cariri, Crato | |
| 31) ZYV63 | 3315 | 90.50 | 0.5 | R. Itatiaia, Belo Horizonte | 09.00-03.00 |
| 32) ZYL21 | 3315 | 90.50 | 1 | R. Gazeta de Alagoas, Maceio | 08.55-03.00 |
| 33) ZYR220 | 3325 | 90.23 | 0.1 | R.Dif. Guarulhos | 09.00-01.00 |
| 34) ZYJ21 | 3325 | 90.23 | 2 | R. Borborema, Campina Grande | 08.30-03.00 |
| 35) ZYR59 | 3335 | 89.95 | 0.5 | Vóz do Sertão, Pres. Prudente | 12.00-17.00 |
| 36) ZYE24 | 3335 | 89.95 | 1 | R. Marajoára, Belém | 09.00-15.00 |
| 37) | 3335 | 89.95 | 1 | R. Capibaribe, Recife | |
| 38) | 3345 | 89.68 | 1 | R. Alvorada de Londrina | 09.00-03.00 |
| 39) ZYK28 | 3375 | 88.88 | 1 | R. Olinda Pernambuco | 08.00-06.00 |
| 40) ZYS45 | 3385 | 88.63 | 0.5 | Dif. do Paraná, Londrina | 09.00-01.00 |
| 41) | 3385 | 88.63 | 0.5 | R.Cl. Teresina | 11.00-02.00 |
| 42) ZYA41 | †3385 | 88.63 | 1.5 | R. Eldorado, Rio | |
| 43) | 3395 | 88.37 | 1 | R. Tapuyo de Mossoró | 09.55-03.00 |
| 44) | 3395 | 88.37 | | R.Dif. de Goiânia, Goiânia | |
| 45) ZYF23 | 4755 | 63.09 | 0.1 | R.Dif. do Maranhão, São Luiz | 09.00-01.00 |
| 46) ZYY3 | 4755 | 63.09 | 1 | R. Brazil, Campinas | 08.30-04.00 |
| 47) ZYN37 | 4765 | 62.96 | 1 | R. Feira de Santana | 08.55-04.00 |
| 48) ZYH29 | 4775 | 62.84 | 5 | R. Dragão do Mar, Fortaleza | 09.00-01.00 |
| 49) ZYR81 | 4775 | 62.84 | 5 | R. Progresso de São Paulo | 09.00-01.00 |
| 50) ZYY20 | 4785 | 62.70 | 1 | R. Cultura Caiari, Porto Velho | 11.00-04.30 |
| 51) ZYM8 | 4785 | 62.70 | 0.5 | R. Ribamar, São Luiz | 11.00-02.00 |
| 52) ZYV25 | †4795 | 62.57 | 1 | R. Cultura de Cambuquira | |
| 53) PRI4 | 4795 | 62.57 | 2 | R. Tabajara, João Pessoa de Paraiba | 09.00-02.00 |
| 54) ZYP27 | 4795 | 62.57 | 0.5 | R. Copacabana | |
| 55) ZYF37 | 4795 | 62.57 | 1 | R. Congonhas, | 09.00-03.00 |
| 56) ZYS8 | 4805 | 62.43 | 5 | R.Dif. de Amazonas, Manaus | 09.00-02.00 |
| 57) ZYP33 | 4815 | 62.31 | 1 | R.Dif. Petrópolis | 10.00-04.00 |

| Call | kHz | m | kW | Name | h. of tr. |
|---|---|---|---|---|---|
| 58) ZYH27 | 4815 | 62.31 | 1 | R. Iracema de Fortaleza | 09.00-03.00 |
| 59) ZYE7 | 4825 | 62.18 | 0.5 | R. Educadora de Parnaiba | 09.00-12.00 20.00-01.00 |
| 60) ZYV56 | 4825 | 62.18 | 0.5 | R.Cl. de Varginha | 11.00-01.00 |
| 61) ZYV37 | 4835 | 62.05 | 0.5 | R. Triangulo Mineiro, Uberaba | 09.30-02.30 |
| 62) ZYA1 | 4835 | 62.05 | 1 | D. Dif. Roraima, Boa Vista | 11.00-16.00, 22.00-03.00 |
| 63) ZYU8 | 4845 | 61.92 | 1 | R.Dif. Teresina | 11.00-04.00 |
| 64) ZYR61 | 4855 | 61.79 | 1 | R.Dif. Taubaté | 09.00-03.00 |
| 65) PRC5 | 4865 | 61.66 | 2.5 | R.Cl. do Pará, Belém | 09.00-10.30, 15.00-17.00, 21.00-03.00 |
| 66) ZYZ30 | 4875 | 61.54 | 5/1 | R. Jornal do Brasil, Rio de Janeiro | 08.30-05.00 |
| 67) ZYG26 | 4885 | 61.41 | 1 | R. Pioneira de Teresina | 07.45-03.00 |
| 68) ZYD9 | 4885 | 61.41 | 1 | R. Acreana, Rio Branco | 12.00-02.00 |
| 69) ZYV50 | 4885 | 61.45 | 1 | R. Cultura de Poços de Caldas | 08.00-04.00 |
| 70) PRF6 | 4895 | 61.29 | 5 | R. Baré, Manaus | 09.00-11.00, 22.00-03.00 |
| 71) ZYN22 | 4895 | 61.28 | 1 | R. Bahia, Salvador | 09.00-04.00 |
| 72) ZYZ20 | 4905 | 61.16 | 5 | R. Relogio Federal, Rio | 24 h |
| 73) ZYR60 | 4915 | 61.04 | 1 | R. Cultura de Araraquara | 09.00-03.00 |
| 74) ZYE2 | 4915 | 61.04 | 2 | R.Dif. Macapá, Amapá | 12.00-01.00 |
| 75) ZYL20 | 4925 | 60.90 | 1 | Emis. Rio São Francisco, Penedo | 12.00-01.00 |
| 76) ZYV32 | 4925 | 60.90 | 1 | R. Industrial de Juiz de Fóra | 09.00-02.00 |
| 77) ZYA6 | 4925 | 60.90 | 1 | R. Iracema, Sobral | 09.00-02.00 |
| 78) | †4935 | 60.80 | 0.5 | Lins R. Clube, Lins | |
| 79) ZYI21 | 4935 | 60.80 | 1 | R. Poti, Natal | 09.00-03.00 |
| 80) ZYO25 | 4945 | 60.67 | 1 | R. Capixaba, Vitoria | 10.30-02.00 |
| 81) ZYE22 | 4945 | 60.67 | 0.25 | R.Dif. Mearim, Caxias do Sul | 11.00-01.00 |
| 82) ZYE23 | 4945 | 60.67 | 1 | R. Educadora de Bragança | 09.00-01.00 |
| 83) PRF7 | 4955 | 60.54 | 2 | R. Cultura de Campos | 08.30-15.00, 21.00-02.00 |
| 84) | 4955 | 60.54 | 0.25 | R. Caiari, Porto Velho | 10.00-03.30 |
| 85) ZYY9 | 4975 | 60.30 | 5/2.5 | R. Timbira, São Luiz | 12.00-03.00 |
| 54) ZYP27 | 4975 | 60.30 | 1 | R. Copacabana | 09.00-03.00 |
| 86) ZYZ5 | 4985 | 60.18 | 1.5 | R.A. Voz de Oeste, Cuiabá | 10.00-02.00 |
| 87) ZYX9 | 4995 | 60.06 | 5 | R. Brasil Central, Goiania | 08.00-03.00 |
| 88) PRC8 | †5015 | 59.80 | 1 | R. Guanabara, Rio de Janeiro | |
| 89) ZYX30 | 5025 | 59.70 | 1 | R.Dif. de Aquidauana | |
| 90) | 5025 | 59.70 | 1 | R.Dif. A Voz da Amazonia | 12.00-02.00 |
| 91) ZYK41 | 5025 | 59.70 | 0.5 | Emis. Rural, Voz do São Francisco Petrolina | 08.55-12.00 14.00-02.00 |
| 92) ZYW22 | 5035 | 59.58 | 1 | R. Anhanguera, Goiania | 09.00-04.00 |
| 93) ZYO24 | 5035 | 59.58 | 0.5 | R. Esprito Santo, Vitoria | 12.00-01.00 |
| 94) ZYP23 | 5045 | 59.46 | 1 | R. Imperial, Petrópolis | 11.00-01.00 |
| 95) ZYX24 | 5055 | 59.35 | 2 | R. Cult. de Cuiabá | 11.00-02.00 |
| 96) ZYO23 | 5055 | 59.35 | 2 | R. Vitoria | 15.00-21.00 |
| 97) ZYR226 | 5955 | 50.38 | 50 | R. Gazeta de São Paulo | 09.00-04.00 |
| 98) ZYU60 | 5965 | 50.28 | 7.5 | R. Guaiba, Porto Alegre | 09.00-03.00 |
| 99) ZYT44 | 5975 | 50.21 | 10 | R. Guarujá, Florianópolis | 11.00-04.00 |
| 100) PRL5 | 5990 | 50.04 | 7.5 | R. Ministerio da Educação, Rio de Janeiro | 09.00-03.00 |
| 101) PRK5 | 6000 | 50.00 | 25 | R. Inconfidencia, Belo Horizonte | 09.00-03.00 |
| 102) PRA8 | 6015 | 49.88 | 5 | R.Cl. de Pernambuco, Recife | 08.00-04.30 |
| 103) ZYR63 | 6025 | 49.79 | 10 | Emis. Piratininga, São Paulo | 11.00-04.00 |
| 104) ZYZ26 | 6035 | 49.71 | 10 | R. Globo, Rio de Janeiro | 08.00-03.00 |
| 105) ZYS33 | 6045 | 49.63 | 25 | R.Cl. Paranaense, Curitiba | 09.00-11.30 14.30-03.00 |
| 106) PRB21 | 6055 | 49.55 | 10 | R. Panamericana, São Paulo | 12.00-01.00 |
| 107) ZYZ31 | 6065 | 49.46 | 7.5 | R. Rural Brasileira | |
| 108) PRL- | 6065 | 49.46 | 10 | R. Nacional, Brasilia | 08.00-04.00 |
| 109) ZYK2 | †6085 | 49.30 | 15 | R. Jornal do Comércio, Recife | |
| 110) ZYB7 | 6095 | 49.22 | 25 | R.Dif. São Paulo | 09.00-03.00 |
| 111) ZYN6 | 6105 | 49.14 | 5 | Ceará R. Cl, Fortaleza | 08.00-03.00 |
| 112) ZYC7 | 6115 | 49.06 | 100 | R. Tamoio, Rio de Janeiro | 09.00-02.00 |
| 113) PRG9 | 6125 | 48.98 | 7.5 | R. Nacional, São Paulo | 09.00-03.00 |
| 114) PRC21 | 6135 | 48.90 | 7.5 | R.TV Gaucha, Porto Alegre | 09.00-04.00 |
| 115) PRL7 | 6145 | 48.82 | 50 | R. Nacional, Rio | 07.45-04.10 |
| 116) ZYR58 | 6165 | 48.66 | 7.5 | R. Cultura, São Paulo | 09.00-04.00 |
| 117) ZYV74 | 6175 | 48.58 | 10 | R. Guarani, Belo Horizonte | 24 h |
| 118) ZYR77 | 6185 | 48.50 | 10 | R. Bandeirantes, São Paulo | 08.00-03.00 |
| 119) PRD21 | 6195 | 48.43 | 10 | Emis. Continental | 07.30-04.30 |
| 120) PRN9 | †9295 | 32.28 | 2.5 | R.Dif. Departamento Segurança | |
| 106) PRB22 | 9505 | 31.56 | 7.5/50 | R. Record, São Paulo | 09.00-03.30 |
| 121) PRD5 | †9515 | 31.53 | 1 | R. Roquete Pinto | |
| 122) ZYZ43 | 9545 | 31.43 | 7.5 | R. Emis. Paranaense, Curitiba | 10.00-03.00 |
| 109) ZYK3 | 9565 | 31.37 | 15 | R. Jornal do Comercio, Recife | 09.00-03.00 |
| 123) ZYZ27 | 9575 | 31.33 | 10 | R. Mayrink Veiga, Rio de Janeiro | |
| 124) ZYR56 | 9585 | 31.30 | 50 | R. Exelcior, São Paulo | 10.00-04.00 |
| 71) ZYN29 | 9595 | 31.27 | 20 | R. Cultura de Bahia | 09.00-04.00 |
| 112) ZYC9 | 9610 | 31.22 | 10 | R. Tamoio, Rio de Janeiro | 11.00-06.00 |
| 125) ZYR96 | 9620 | 31.19 | 10 | R. 9 de Julho, São Paulo | 10.00-04.30 |
| 25) ZYR83 | 9635 | 31.14 | 7.5 | R. Aparecida | 09.00-03.00 |
| 103) ZYR64 | †9635 | 31.14 | 10 | R. Piratininga, São Paulo | |
| 69) ZYV40 | 9645 | 31.10 | 7.5 | R. Cultura de Poços de Caldas | 08.00-04.00 |
| 126) | †9665 | 31.04 | | R. Rio de Janeiro | |
| 108) PRL- | 9665 | 31.04 | 10 | R. Nacional, Brasilia | 08.00-04.00 |
| 127) ZYT29 | 9675 | 31.01 | 10 | R. Diario da Manha, Florianópolis | 09.00-03.00 |
| 97) ZYR227 | 9685 | 30.98 | 7.5 | R. Gazeta | 09.00-04.00 |
| 128) ZYB22 | 9695 | 30.94 | 7.5 | R. Rio Mar, Manaus | 13.00-01.00 |
| 129) ZYZ24 | 9705 | 30.91 | 10 | R. Mauá, Rio de Janeiro | 14.00-03.00 |
| 115) PRL8 | 9720 | 30.86 | 50 | R. Nacional, Rio | 07.45-04.10 |
| 130) ZYU58 | 9730 | 30.83 | 7.5 | R. Farroupilha, Porto Alegre | 12.00-03.00 |
| 116) ZYR57 | 9745 | 30.79 | 7.5 | R. Cultura, São Paulo | 09.00-03.00 |
| 87) | 9755 | 30.70 | 7.5 | R. Brasil Central | 08.00-03.00 |
| 92) ZYW23 | 9755 | 30.70 | 1 | R. Anhanguera, Goiania | 12.00-01.00 |
| 100) PRL4 | 9770 | 30.71 | 7.5 | R. Ministerio da Educação, Rio de Janeiro | 09.00-03.00 |
| 108) PRL- | 11720 | 25.60 | 10 | R. Nacional, Brasilia | 08.00-03.00 |
| 132) ZYW28 | 11735 | 25.56 | 1 | R.Cl. de Goiania | 09.00-04.00 |
| 103) ZYR65 | 11745 | 25.54 | 10 | R. Emis. Piratininga, São Paulo | 09.00-04.00 |
| 110) ZYB8 | 11765 | 25.50 | 25 | R.Dif. São Paulo | 09.00-03.00 |
| 123) ZYZ28 | †11775 | 25.48 | 10 | R. Mayrink Veiga, Rio de Janeiro | |
| 98) ZYU61 | 11785 | 25.46 | 7.5 | R. Guaiba | 21.00-04.00 |
| 115) PRL9 | 11795 | 25.43 | 10 | R. Nacional, Rio | 07.45-04.10 |
| 104) ZYZ36 | 11805 | 25.41 | 10 | R. Globo, Rio | 08.00-03.00 |
| 87) ZYW24 | 11815 | 25.39 | 7.5 | R. Brasil Central, Goiania | 08.00-03.00 |
| 109) ZYK32 | 11825 | 25.37 | 15 | R. Jornal do Comercio, Recife | 09.00-03.00 |
| 102) PRA8 | 11865 | 25.28 | 1 | R.Cl. Pernambuco | 08.00-04.30 |
| 133) ZYN32 | 11875 | 25.26 | 10 | R.Soc. da Bahia, Salvador | 17.00-03.00 |
| 129) ZYZ25 | 11885 | 25.22 | 10 | R. Mauá, Rio de Janeiro | 17.00-03.00 |
| 114) PRC23 | 11915 | 25.18 | 7.5 | R.TV Gaucha, Porto Alegre | 09.00-04.00 |
| 118) ZYR78 | 11925 | 25.16 | 10 | R. Bandeirantes | 08.00-03.00 |
| 105) ZYS35 | 11935 | 25.14 | 25 | R.Cl. Paranaense | 09.00-17.00 |
| 100) PRL3 | 11950 | 25.10 | 7.5 | R. Ministerio da Educação, Rio | 09.00-03.00 |
| 106) PRB24 | 11965 | 25.07 | 50 | R. Record São Paulo | 09.00-03.00 |
| 107) ZYZ32 | 15105 | 19.86 | 7.5 | R. Rural Brasileira | |
| 134) | †15115 | 19.85 | 7.5 | R.Soc. Guiracá, Curitiba | |
| 133) ZYN32 | 15125 | 19.83 | 10 | R.Soc. da Bahia, Salvador | 08.30-17.00 |
| 106) PRB23 | 15135 | 19.82 | 10 | R. Panamericana | 09.00-03.30 |
| 109) ZYK33 | 15145 | 19.81 | 15 | R. Jornal do Comercio, Recife | 09.00-02.30 |
| 110) ZYB9 | 15155 | 19.80 | 25 | R.Dif. de São Paulo | 09.00-03.00 |

# Brazil

| Call | kHz | m | kW |
|---|---|---|---|
| 111) ZYN7 | 15165 | 19.78 | 5 |
| 135) | †15175 | 19.76 | 1 |
| 71) ZYN30 | 15180 | 19.76 | 10 |
| 101) PRK9 | 15190 | 19.75 | 5 |
| 85) ZYY9 | †15215 | 19.71 | 2.5 |
| 36) ZYE21 | 15245 | 19.68 | 7.5 |
| 113) PRG9 | 15265 | 19.66 | 50 |
| 115) PRL- | †15295 | 19.62 | 10 |
| 97) ZYR28 | 15325 | 19.58 | 1 |
| 130) ZYU68 | 15335 | 19.56 | 7.5 |
| 112) ZYC9 | 15370 | 19.52 | 10 |
| 136) ZYR206 | 15415 | 19.46 | 1 |
| 108) ZYN32 | 15445 | 19.43 | 10 |
| 126) | †15445 | 19.43 | 50 |
| 125) ZYR97 | 17705 | 16.94 | 10 |
| 137) ZYR232 | 17725 | 16.93 | 1 |
| 56) | 17795 | 16.86 | 5 |
| 131) ZYR58 | 17815 | 16.82 | 10 |
| 115) ZYZ- | 17850 | 16.81 | 10 |
| 100) PRL2 | 17875 | 16.79 | 7.5 |

| Name | h. of tr. |
|---|---|
| Ceará R. Clube | 08.00-03.00 |
| Emis. Tupanci, Pelotas | |
| R. Cultura da Bahia, | irr. |
| R. Inconfidencia, Belo Horizonte | 09.00-03.00 |
| R. Timbira, São Luiz | |
| R. Marajoara, Belém | 11.00-01.00 |
| R. Excelsior, Sao Paulo | irr. |
| R. Nacional, Rio | |
| R. Gazeta de São Paulo | 09.00-04.00 |
| R Farroupilha, Porto Alegre | 03.00-17.00 |
| R. Tamoio & Tupi, Rio de Janeiro | 11.00-06.00 |
| R.Cl. Ribeirão Preto | 12.00-01.00 |
| R. Nacional de Brasilia | 08.00-04.00 |
| R. Rio, Rio de Janeiro | |
| R. 9 de Julho | irr. |
| R. Universitaria Santos Dumont, São Jose dos Campos | 23.00-02.00 |
| R.Dif. de Amazonas | 10.00-01.00 |
| R. Cultura, São Paulo | 09.00-03.00 |
| R. Nacional, Rio de Janeiro | 07.45-04.10 |
| R. Ministerio da Educação, Rio de Janeiro | 09.00-03.00 |

**Medium Waves:** °=also on Short Wave.

| Call | kHz | kW |
|---|---|---|
| 138) | 540 | 1 |
| 125) ZYR98 | °540 | 10 |
| 39) ZYZ22 | °550 | 10 |
| 139) ZYN4 | 560 | 1/0.25 |
| 140) ZYN41 | 560 | 5 |
| 134) ZYM5 | °560 | 10 |
| 44) ZYW27 | °580 | 10/5 |
| 141) | 580 | 10 |
| 142) PRG5 | 580 | 1/0.5 |
| 143) ZYM3 | 580 | 1/0.5 |
| 144) ZYM25 | 580 | 1/0.5 |
| 145) ZYD4 | 580 | 1/0.5 |
| 146) ZYN38 | 590 | 10 |
| 147) ZYS50 | 590 | 5 |
| 72) ZYZ21 | °590 | 1 |
| 130) PRH2 | °600 | 50 |
| 148) | 620 | 10 |
| 106) PRH7 | °620 | 5/10 |
| 149) ZYX25 | 630 | 10 |
| 150) ZYV44 | 630 | 1 |
| 151) ZYA3 | 630 | 1 |
| 152) PRJ6 | 630 | 1 |
| 31) ZYV29 | °630 | 5 |
| 153) ZYU37 | 630 | 1 |
| 154) PRF9 | 640 | 50/10 |
| 155) ZYI22 | 640 | 10 |
| 156) ZYR256 | 640 | 1 |
| 157) PRG6 | 640 | 1 |
| 29) ZYM22 | °670 | 10/5 |
| 158) | 670 | 5/1 |
| 124) ZYR56 | °670 | 10 |
| 159) ZYK26 | 680 | 1 |
| 160) ZYS65 | 680 | 1 |
| 161) ZYD7 | 680 | 5 |
| 162) ZYR255 | 680 | 1 |
| 54) ZYP20 | °680 | 5 |
| 114) PRC2 | °680 | 7.5 |
| 48) ZYH29 | °690 | 10 |
| 20) ZYL22 | °690 | 1 |
| 163) PRC7 | 690 | 10 |
| 40) ZYS44 | °690 | 0.25 |
| 164) ZYW3 | 690 | 1 |
| 42) ZYR213 | °700 | 50 |
| 64) ZYA8 | °720 | 1 |
| 102) PRA8 | °720 | 25 |
| 98) ZYU58 | °720 | 50 |
| 165) | 720 | 1/0.25 |
| 166) | 720 | 1 |
| 167) ZYV53 | 730 | 1 |
| 168) | 730 | 1 |
| 169) ZYO9 | 730 | 1/0.25 |
| 170) ZYR80 | 730 | 2 |
| 171) ZYH8 | 730 | 1/0.25 |
| 91) ZYK40 | °730 | 5/1 |
| 96) ZYO21 | °730 | 1 |
| 133) PRA4 | °740 | 50 |
| 120) PRN9 | °760 | 2 |
| 109) PRL6 | °780 | 20/10 |
| 22) ZYR79 | °780 | 0.25 |
| 27) ZYV38 | °780 | 0.25 |
| 172) ZYU55 | 780 | 1 |
| 173) PRK8 | 780 | 1 |
| 174) ZYU71 | 780 | 1 |
| 100) PRA2 | °800 | 25 |
| 175) ZYM6 | 820 | 1/0.25 |
| 176) ZYT94 | 820 | 1 |
| 177) ZYA4 | 820 | 1/0.25 |
| 178) ZYK37 | 820 | 10 |
| 35) PRI5 | °820 | 0.25 |
| 7) ZYV64 | °840 | 1.25 |
| 118) PRH9 | °840 | 10 |
| 179) ZYD8 | 840 | 10/5 |
| 180) ZYW42 | 840 | 5 |
| 181) ZYT33 | 840 | 1 |
| 182) ZYU77 | 840 | 5 |
| 183) | 840 | 1 |
| 184) ZYS89 | 840 | 1 |
| 185) PRA3 | 860 | 50 |
| 101) PRI3 | °880 | 50 |
| 186) ZYU33 | 880 | 10 |
| 97) PRA6 | °890 | 10/5 |
| 23) ZYK20 | °890 | 20 |
| 38) PRM3 | °890 | 5 |
| 187) ZYI23 | 900 | 5 |
| 112) PRB7 | °900 | 10 |
| 188) ZYR242 | 900 | 1/0.5 |
| 189) ZYQ5 | 900 | 1/0.25 |
| 190) ZYS77 | 900 | 1 |
| 191) PRJ3 | 930 | 5 |
| 192) ZYM20 | 930 | 5 |
| 193) ZYH3 | 930 | 1 |
| 194) ZYS25 | 930 | 5 |
| 195) ZYU102 | 930 | 1/0.25 |
| 110) PRF3 | °960 | 10 |
| 66) PRF4 | °940 | 50 |
| 196) ZYO4 | 960 | 10 |
| 197) ZYF5 | 960 | 1/0.25 |
| 198) | 960 | 5/1 |
| 47) ZYR3 | °970 | 5 |
| 199) ZYH32 | 970 | 1 |
| 200) ZYI26 | 970 | 1 |
| 201) ZYI2 | 970 | 5 |
| 202) ZYH21 | 970 | 1 |
| 203) ZYS72 | 970 | 1 |
| 78) ZYB3 | °970 | 0.25 |
| 115) PRE8 | °980 | 50 |
| 106) PRE9 | °1000 | 50 |
| 204) PRB3 | 1010 | 2 |
| 127) ZYT26 | °1010 | 0.25 |
| 71) ZYN23 | °1010 | 10/5 |
| 205) ZYO3 | 1010 | 5 |
| 206) ZYS42 | 1010 | 1 |
| 207) | 1020 | 30/20 |
| 208) PRB8 | 1030 | 1/0.25 |
| 40) ZYK27 | °1030 | 10 |
| 119) PRD8 | °1030 | 7.5 |
| 209) PRG2 | 1040 | 50 |
| 210) PRD2 | 1060 | 10 |
| 211) PRD7 | 1080 | 1 |
| 212) ZYN24 | 1080 | 1 |
| 213) ZYB4 | 1080 | 1/0.5 |
| 214) ZYX7 | 1080 | 1/0.25 |
| 215) ZYE4 | 1080 | 1/0.5 |
| 216) ZYU67 | 1080 | 2/0.5 |
| 217) ZYV47 | 1080 | 1/0.25 |
| 52) ZYV52 | °1080 | 0.25 |
| 218) ZYK22 | 1080 | 1/0.25 |
| 219) ZYR64 | 1080 | 1/0.25 |
| 220) ZYI28 | 1080 | 1/0.5 |
| 221) ZYW38 | 1080 | 5 |
| 222) ZYE28 | 1080 | 10 |
| 21) PRI2 | °1090 | 1 |
| 76) ZYT9 | °1090 | 1 |
| 223) ZYT38 | 1090 | 1/0.25 |
| 224) ZYN25 | 1090 | 1 |
| 225) ZYR240 | 1090 | 1 |
| 26) ZYI25 | °1090 | 10 |
| 100) | 1090 | 1 |
| 226) ZYU50 | 1100 | 1 |
| 113) PRG9 | °1100 | 50 |
| 53) PRI4 | °1110 | 10 |
| 227) ZYS57 | 1110 | 1 |
| 228) ZYT25 | 1110 | 1/0.25 |
| 229) ZYS67 | 1110 | 1/0.25 |
| 83) PRF7 | °1110 | 5 |
| 230) ZYV66 | 1110 | 1 |
| 231) | 1110 | 1 |
| 71) ZYN20 | °1120 | 10 |
| 232) ZYU | 1120 | 10 |
| 36) ZYE20 | °1130 | 10 |
| 129) PRH8 | °1130 | 10 |
| 43) ZYI24 | °1130 | 1 |
| 233) ZYR217 | 1130 | 1 |
| 234) ZYT34 | 1130 | 1/0.25 |
| 235) | 1130 | 1 |
| 236) ZYK34 | 1130 | 1 |
| 237) | 1140 | 10 |
| 238) ZYH7 | 1160 | 1/0.5 |
| 239) ZYS73 | 1160 | 1 |
| 93) PRI9 | °1160 | 10 |
| 86) PRH3 | °1160 | 1 |
| 240) PRF5 | 1160 | 1 |
| 241) ZYA5 | 1160 | 1 |
| 242) ZYS | 1160 | 1 |
| 67) ZYG25 | °1160 | 1 |
| 50) | °1170 | 1 |
| 84) ZYY21 | °1170 | 1 |
| 243) ZYI20 | 1170 | 1 |
| 244) PRC9 | 1170 | 5 |
| 245) ZYU72 | 1170 | 1/0.25 |
| 246) ZYU38 | 1170 | 1/0.25 |
| 247) | 1170 | 1/0.25 |
| 104) PRE3 | °1180 | 50 |
| 248) ZYI20 | 1190 | 1 |
| 103) PRB6 | °1200 | 10 |
| 111) PRE9 | °1200 | 10 |
| 249) ZYU91 | 1200 | 1/0.25 |
| 108) PRL- | °1210 | 10/5 |
| 24) PRG8 | °1210 | 1/0.5 |
| 250) ZYL9 | 1210 | 1/0.5 |
| 60) ZYB2 | °1210 | 1 |
| 122) ZYZ9 | °1210 | 1 |
| 251) ZYX | 1210 | 1 |
| 252) ZYK23 | 1210 | 1/0.5 |
| 253) | 1210 | 1 |
| 254) ZYU46 | 1210 | 1 |
| 255) ZYU210 | 1210 | 1/0.25 |
| 123) PRA9 | °1220 | 50 |
| 256) ZYB21 | 1240 | 5 |
| 7) ZYV64 | °1240 | 1.25 |
| 70) PRF6 | °1240 | 1 |
| 257) ZYC4 | 1240 | 1/0.5 |
| 258) ZYP4 | 1240 | 1/0.5 |
| 259) PRB5 | 1240 | 1 |
| 260) PRE6 | 1240 | 5 |
| 261) ZYU76 | 1240 | 1/0.25 |
| 262) ZYR84 | 1240 | 1/0.25 |
| 37) ZYK36 | °1240 | 5 |
| 263) ZYT43 | 1240 | 1/0.25 |
| 264) ZYL4 | 1250 | 1 |
| 265) ZYK26 | 1250 | 1 |
| 266) ZYO3 | 1250 | 1 |
| 267) PRJ2 | 1250 | 1 |
| 18) ZYR43 | °1250 | 0.25 |
| 50) ZYY20 | °1250 | 1 |
| 268) PRA5 | 1260 | 10/5 |
| 28) ZYX27 | °1260 | 1/0.25 |
| 269) ZYR263 | 1260 | 1 |
| 270) ZYS79 | 1260 | 1/0.25 |
| 271) ZYG | 1260 | 10 |
| 32) ZYL21 | °1260 | 5 |
| 272) ZYV65 | 1260 | 1/0.25 |
| 46) ZYR39 | °1270 | 1 |
| 87) ZYX9 | °1270 | 10 |
| 273) ZYS23 | 1270 | 1/0.25 |
| 274) ZYV62 | 1270 | 1 |
| 275) ZYU44 | 1270 | 1 |
| 79) ZYB5 | °1270 | 1 |
| 112) PRG3 | °1280 | 50 |
| 116) PRE4 | °1300 | 10/5 |
| 58) ZYR7 | °1300 | 10 |
| 276) ZYX22 | 1300 | 1 |
| 277) ZYS87 | 1300 | 5 |
| 278) ZYR264 | 1300 | 1/0.25 |
| 279) ZYR201 | 1320 | 1 |
| 132) ZYG3 | °1320 | 5 |
| 280) PRH4 | 1320 | 1/05 |
| 281) ZYL25 | 1320 | 0.25 |
| 282) ZYT31 | 1320 | 1/0.25 |
| 126) ZYZ34 | °1320 | 10 |
| 283) | 1320 | 1 |
| 284) | 1320 | 10 |
| 285) ZYS68 | 1320 | 5 |
| 135) PRI8 | °1330 | 1 |
| 286) ZYV59 | 1330 | 1/0.35 |
| 287) ZYV33 | 1330 | 1/0.5 |
| 288) ZYI5 | 1330 | 1/0.5 |
| 289) PRC4 | 1330 | 1/0.5 |
| 290) | 1330 | 1/0.5 |
| 291) ZYE25 | 1330 | 10 |
| 117) PRH6 | °1340 | 1/0.25 |
| 292) ZYX2 | 1340 | 1/0.25 |
| 293) ZYF25 | 1340 | 1 |
| 111) | °1340 | 1 |
| 294) ZYX5 | 1340 | 1/0.25 |
| 295) ZYA2 | 1340 | 1 |
| 69) PRH5 | °1350 | 5 |
| 296) ZYU85 | 1350 | 1 |
| 297) ZYN35 | 1350 | 5 |
| 34) ZYO7 | °1350 | 1 |
| 298) | 1350 | 1/0.25 |
| 299) ZYR251 | 1350 | 1/0.25 |
| 300) ZYO26 | 1350 | 1 |
| 88) PRC8 | °1360 | 10 |
| 301) ZYH25 | 1360 | 10 |
| 302) ZYU82 | 1360 | 1 |
| 303) ZYS86 | 1360 | 5 |
| 304) ZYR90 | 1360 | 1 |
| 73) PRD4 | °1370 | 1 |
| 80) ZYO22 | °1370 | 1 |
| 305) ZYK31 | 1370 | 5 |
| 63) ZYQ3 | °1370 | 1 |
| 306) ZYF3 | 1370 | 5/0.5 |
| 92) ZYW21 | °1370 | 1 |
| 307) ZYR212 | 1370 | 1 |
| 61) PRE5 | °1390 | 1 |
| 308) ZYS46 | 1390 | 1 |
| 309) ZYI2 | 1390 | 1/0.5 |
| 310) ZYK25 | 1390 | 1 |
| 311) ZYV49 | 1390 | 2 |
| 312) ZYU75 | 1390 | 1 |
| 313) ZYN - - | 1390 | 1 |
| 26) ZYH30 | °1400 | 5 |
| 314) | 1400 | 5 |
| 121) PRD5 | °1400 | 10 |
| 315) ZYR224 | 1400 | 1/0.25 |
| 316) PRK6 | 1400 | 1 |
| 317) | 1400 | 1 |
| 318) ZYS76 | 1400 | 5 |
| 51) ZYF21 | °1410 | 1 |
| 319) PRE7 | 1410 | 25/10 |
| 320) ZYH26 | 1410 | 10 |
| 321) ZYI4 | 1420 | 1/0.25 |
| 322) ZYU94 | 1420 | 1 |
| 99) ZYJ7 | °1420 | 5/2.5 |
| 323) | 1420 | 1 |
| 324) PRE2 | 1430 | 10 |
| 325) | 1430 | 1 |
| 326) ZYH5 | 1430 | 1/0.25 |
| 327) ZYN21 | 1430 | 1 |
| 105) PRB2 | °1440 | 20/5 |
| 31) ZYV29 | °1440 | 5 |
| 328) | 1440 | 1 |

| | Call | kHz | kW |
|---|---|---|---|
| 65) | PRC5 | °1450 | 10 |
| 329) | PRB4 | 1450 | 5/2 |
| 330) | ZYJ20 | 1450 | 1 |
| 331) | ZYP36 | 1450 | 5/2.5 |
| 332) | ZYT21 | 1450 | 1/0.25 |
| 333) | ZYR249 | 1450 | 1 |
| 68) | ZYD9 | °1460 | 0.25 |
| 334) | ZYH22 | 1460 | 1 |
| 74) | ZYE2 | °1460 | 0.25 |
| 335) | PRF2 | 1460 | 20 |
| 336) | | 1470 | 1 |
| 337) | ZYE3 | 1470 | 1/0.5 |
| 338) | ZYD2 | 1470 | 1/0.5 |
| 1) | PRC6 | °1470 | 1/0.5 |
| 339) | ZYZ6 | 1470 | 1 |
| 340) | | 1470 | 1 |
| 59) | PRJ4 | °1470 | 0.5 |
| 341) | ZYN3 | 1470 | 1 |
| 342) | | 1470 | 1 |
| 11) | ZYJ3 | °1480 | 0.5 |
| 128) | ZYB20 | °1480 | 1 |
| 343) | ZYH20 | 1480 | 1 |
| 57) | PRD3 | °1480 | 5 |
| 82) | ZYE22 | °1480 | 0.25 |
| 85) | PRJ9 | °1490 | 1 |
| 344) | ZYA2 | 1490 | 2 |
| 345) | ZYP29 | 1490 | 1/0.5 |
| 346) | ZYU46 | 1510 | 1/0.25 |
| 347) | ZYY5 | 1510 | |
| 348) | ZYG20 | 1510 | 0.25/1 |
| 349) | ZYA9 | 1530 | 1 |
| 350) | ZYS2 | 1530 | 1 |
| 351) | ZYU34 | 1530 | 1/0.25 |
| 19) | ZYM9 | °1540 | 1 |
| 352) | ZYR90 | 1540 | 5/1 |
| 353) | ZYS9 | 1540 | 2.5 |
| 354) | ZYI | 1540 | 2.5 |
| 5) | ZYP39 | °1550 | 0.25 |
| 6) | PRJ5 | °1550 | 0.25 |
| 4) | ZYK | °1560 | 1 |
| 74) | ZYE2 | °1560 | 2.5 |
| 355) | ZYN33 | 1560 | 1 |
| 3) | | °1570 | 0.25 |
| 55) | ZYV39 | °1590 | 0.25 |
| 25) | ZYR44 | °1600 | 0.25 |

**State Abbreviations:** AC=Acre, AL=Alagoas, AM=Amazonas, AP=Amapá, BA=Bahia, CE=Ceará, DF=Brasilia, ES=Espirito Santo, GB=Guanabara, GO=Goiás, MA=Maranhão, MG=Minas Gerais, MT=Mato Grosso, PA=Pará, PB=Paraiba, PE=Pernambuco, PI=Piaui, PR=Paraná, RJ=Rio de Janeiro, RD=Rondônia, RN=Rio Grande do Norte, RS=Rio Grande do Sul, SC=Santa Catarina, SE=Sergipe, SP=São Paulo.

**Short Waves:**

1) C.P. 173, Uberlandia, MG. **Te:** 4466. **Cable:** Radioco. **L.P:** Dir. Gen: G. Motta Baptista. Dir. Tec: V. P. Dossena. **D.Prgr: N:** 13.30, 20.00. **Ann:** "R. Difusora Brasileira, PRC6 e ZYV30, Uberlandia, MG". **V.** by letter.

2) Itacoatiara, AM.

3) Parintins, AM.

4) Rua do Expedicionario 30, Carauru, PE. **L.P:** Dir: J. Almeida.

5) Rua Francisco da Rosa 84, São João de Miriti, RJ.

6) C.P. 105, Limeira, SP. **L.P:** Dir: V. Bortolan.

7) C.P. 377, Governador Valadares, MG. **Te:** 5322. **Cable:** Repumm. **L.P:** Dir. Gen: L. Villela. St. Mgr. and Dir. Tec: F. L. Teixeira. **D.Prgr: N:** 10.00. **L.L:** (English) 21.30. **Ann:** "ZYV64, ZYV71 Onda Media e Onda Tropical, da R. Por um Mundo Melhor, de Governador Valadares, Minas Gerais, uma emissora Católica a serviço do Brasil". **V.** by letter. Rp. Recordings accepted.

8) Rua R. Rocha Medeiros 1113, Monte Alto, Jabotical, SP.

9) Mossoró, Pra. Rafael Fernandes, RN.

10) C.P. 77, Amparo, SP.

11) C.P. 909, Anápolis, GO. **Te:** 2263. **Cable:** Caraja. **L.P:** St. Mgr: N. E. de Oliveira. Dir. Tec: J. S. Vilarinho. **Ann:** "ZYJ3 e ZYW32, emissoras de ondas média, curta e FM de sua R. Carajá de Anápolis". **V.** by letter. Recorded re. in P, Sp. or E accepted.

12) C.P. 6, Leopoldina, MG. **Cable:** Sirena. **L.P:** Dir. Gen: C. Geraldo. **D.Prgr: N:** 11.00, 14.00, 21.00, 01.00. **Ann:** "R. Sirena, do Sistema Radioeducativo Nacional do Ministerio da Educação e Cultura". **V. by letter. Re. in P, Sp or E. Pub:** Prgr. schedule free.

13) Santarem.

14) C.P. 95, São Carlos, SP. **L.P:** Pres: L. Zambel. **V.** by letter.

15) Av. Pedro II 220, Cuiz, Ma. **L.P:** Dir: R. Bacelar.

16) Av. 1° de Maio 27, Rio Bonito, RJ. **L.P:** Dir: E. R. Vieira.

17) C.P. 246, Aracatuba, SP. **Te:** 2270. **Cable:** Radiocultura. **L.P:** Dir. Gen: A. Barbosa. St. Mgr: J. B. Brussolo. Dir. Tec: F. C. Arroyo. **D.Prgr: N:** 15.15, 23.45, **Ann:** "R. Cultura de Aracatuba, Ondas medias e Tropicais". **V.** by letter. Recorded re. in P, or E accepted.

18) Rua 7 de Setembro 301, Socoraba, SP. **Te:** 23712. **L.P:** Dir: J. R. Bismara. Dir. Tec: Dr. O. A. Bismara. **D.Prgr:** 09.00-04.00 (mw). **N:** 14.00, 16.00, 19.00, 23.00. **V.** by letter. Recordings accepted.

19) Rua Dr. Candido Rodriguez 87, Bragança Paulista, SP. **L.P:** Dir. Gen: J. Batista M. St. Mgr: J. Bonucci Filho. Dir. Tec: A. G. Pedroso. **V.** by letter. Recordings accepted.

20) Praça D. Pedro 11, Maceio. **Ann:** "R. Educ. Palmares de Alagoas, ondas medias, curtas, una Emissora da Familia Alagoana". **V.** by letter.

21) Rua Paes Leme 20, Marilia, SP. **L.P:** Dir. Gen: O. Lignellis.

22) C.P. 814, Ribeirão Preto, SP.

23) Av. Cruz Cabugá 394, Recife, PE. **Te:** 4-1522. **Cable:** Diarbuco. **L.P:** Dir. Gen: H. C. Motta. St. Mgr: F. Trigueiro. **V.** by letter. Rp.

24) Rua Padre Anchieta 741, Bauru. **L.P:** Pres: M. Leuzzi Jr. **V.** by QSL-card. Re. in P, Sp or E, F.

25) Praça NS Aparecida 315, Aparecida. **Te:** 2197. **L.P:** Dir. Gen: V. Coelho de Almeida. St. Mgr: S. de Neme Jorge. Dir. Tec: B. I. Baronto. **D.Prgr: N:** 12.00, 14.30, 17.30, 20.30, 00.00. **Ann:** "A.R. Aparecida, a mais poderosa emissora católica das Americas em Ondas Curtas, Medias & Tropicais, de Aparecida, São Paulo, Brasil". **V.** by QSL-card. Rp. Recordings accepted. **Pub:** Prgr. schedule free.

26) Praça Pio X 335, Natal, RN. **L.P:** Dir. Gen: J. de Oliveira Calvalcanti. Dir. Tec: J. Reos. **Ann:** "Emissora de Educação Rural, ondas média e curta, a pioneira do ensino rediofônico em todo o território nacional". **V.** by letter. Re. in Sp, P.

27) C.P. 401, Uberlandia, MG. **Te:** 2340. **L.P:** Dir: N. A. dos Santos. **V.** by letter.

28) Rua 14 de Julio 1452, Campo Grande. **Te:** 2691. **L.P:** Dir. Gen: A. Barbosa. Dir: A. Guerra. Dir. Tec: M. Marquez. **Ann:** "ZYX27, ZYX28, R. Educação Rural, maior potencia, melhor dudência".

29) Simão Dias 643, Arajuco, SE.

30) C.P. 57, Crato, CE. **L.P:** Pres: V. de Araujo Matos.

31) Rua Coromandel 117, Belo Horizonte, MG. **Te:** 48595. **L.P:** Dir. Gen: J. Carneiro. Dir. Tec: D. Abreu M. **Ann:** "R. Itatiai, a emissora Brasileira que mais crese". **V.** by letter. Recordings accepted.

32) Rua do Comércio 515, Maceio. **Te:** 4139. **Cable:** Radioguas. **L.P:** Dir: C. Alencar.

33) Rua Pedro II 148, Guarulhos. **L.P:** Dir: P. C. Nogueira.

34) C.P. 160, Campina Grande, PB. **Te:** 1960. **L.P:** Dir. Gen: L. M. Alves. **D.Prgr: N:** 10.00, 15.30, 20.05, 01.00. **Ann:** "R. Borborema, Emissoras Associades de Campina Grande". **V.** by letter. Rp.

35) C.P. 5, Pres. Prudente, SP. **L.P:** Dir. Gen: A. Campos. **Ann:** "R. Presidente Prudente, uma das Emissoras Coligadas, falanda para todo a Brasil" or "PRI5 e ZYR59, R. Difusora de Presidente Prudente, uma das Emissoras Coligadas, transmitiendo simultaneamente em ondas médias e curtas 1240kc, 3335kc".

36) Travessa Campos Sales 100, Belém, PA. **Te:** 3422. **Cable:** Provan. **L.P:** Dir. Gen: M. Trindade. **D.Prgr: N:** 10.05, 12.00, 14.05, 16.00, 18.00, 20.00, 21.55, 23.30, 01.00. **V.** by letter. Rp.

37) Rua S. Campos 259, Recife, PE. **Te:** 42174. **L.P:** Dir. Gen: A. Moreira P. Dir: H. Sodre P. Dir. Tec: O. Shiller. **Ann:** "R. Capibaribe do Recife, a Jovem Cap". **V.** by letter. Rp. **FM:** 106.02MHz.

38) C.P. 414, Londrina, PR. **Te:** 1842. **L.P:** Dir: E. Afonso. St. Mgr: N. Lainetti. Dir. Tec: H. Baer. **D.Prgr: N:** 10.25, 13.55, 16.55, 21.55, 02.00, 02.50. **Ann:** "R. Alvorada de Londrina, a Emissora da Familia Paranaense". **V.** by letter. Rp. Recordings accepted.

39) C.P. 1313, Recife, PE. **Te:** 45373. **Cable:** Radiolinda. **L.P:** Dir. Gen: A. Tabajara. St. Mgr: G. Correia. Dir. Tec: F. Saboia. **D.Prgr: N:** Every h on the h exc. 15.00, 22.00. **Ann:** "R. Olinda, ZYK27, ZYK28, a mais popular emissora pernambuafia". **V.** by letter. Rp.

40) C.P. 1870, Londrina, PR. **L.P:** Dir. Gen: Dr. R. Zanoni.

41) C.P. 125, Teresina, PI. **L.P:** Dir. Gen: W. S. Guimaraes.

42) Av. Pres. Vargas 417, Rio de Janeiro, GB. **L.P:** Dir: A. Gueiroz.

43) Praça Rafael Fernandes 8, Mossoró. **L.P:** Dir. Gen: J. N. da Escossia. Mgr: J. M. de Souza Luz. Dir. Tec: C. Alberto. **Ann:** "R. Tapuyo de Mossoró, ondas médias e curtas falando para todo o Brasil. A mais popular emisora mossoroense". **V.** by letter. Recordings accepted.

44) Praça C. Joaquim Lucio 153, Goiânia, GO. **L.P:** Dir: F. Rodrigues.

45) C.P. 152, São Luiz, MA. **L.P:** Dir: R. Bacelar. **V.** by letter.

46) C.P. 625, Campinas, SP. **Te:** 95570. **L.P:** St. Mgr: S. Pedroso. Dir. Tec: D. G. V. Biondo. **Ann:** "Transmite R. Brasil Campinas, ondas medias e curtastropicais uma emissora de Rádiodifusão da Organização Irmãos Pedroso". **V.** by letter and QSL-card. Recordings accepted. Rp. preferred.

47) C.P. 32, Feira de Santana. **Te:** 168. **L.P:** St. Mgr: F. R. de Aporá. Dir. Tec: D. Nogueira. **D.Prgr: N:** 10.30, 11.00, 13.00, 15.00, 16.05, 18.00, 20.00, 00.00, 01.05. **Ann:** "R. Sociedade de Feira de Santana por suas Emissoras de Ondas Media e Curta, Voz de Comando a Serviço da religião e da pátria". **Int-Sig:** Vibraphone. **V.** by letter. Recordings accepted. Rp.

48) Rua P. Pereira 383, Fortaleza, CE. **L.P:** Dir. Gen: M. S. Pimentel. **D.Prgr: N:** W 14.50, D 01.35. **Ann:** "R. Dragão do Mar, a emissora do Ceará que o mundo escuta". **V.** by letter.

49) Av. Liberdade 1034, São Paulo. **Te:** 32-8708. **L.P:** Dir: C. Mero.

50) Av. Carlos Gomes s/n, Porto Velho, RD. **L.P:** Dir: V. Hugo. Dir. Tec: F. O. R. Barbosa. **D.Prgr: N:** 11.00, 02.30 and short N every h on the h 12.00-24.00 exc. 17.00, 22.00. **V.** by letter. Recordings accepted.

51) Rua do Apium 118-130, São Luiz, MA.

52) Av. Vergilio Franco 375, Cambuquira, MG.

53) Palacio do Governo Rodriques de Aquino s/n°, João Pessoa, PB. **D.Prgr: N:** 21.45, 24.00, 01.35. **Ann:** "PRI4, R.

Tabajara da Paraiba transmitiendo em ondas curtas e médias". **V.** by letter. Re. in E, Sp, F.
54) Av. Rio Branco 277, 6°, Rio de Janeiro, GB. **L.P:** Dir. Gen: I. D. Mello, A. de Lima Santana. **Ann:** "R. Copacabana, a emissora do Otimismo".
55) Praça de Basilica, Congonhas, MG. **Te:** 38. **L.P:** Dir. Prgr: J. Grossi. **D.Prgr: N:** 10.30, 11.55, 15.55, 17.30, 18.30, 23.00, 00.30, 02.00. **V.** by letter.
56) Eduardo Ribeiro 566, Manaus, AM.
57) Praça D. Pedro II°, 17, Petropolis, RJ. **Cable:** Difusora. **L.P:** Dir. Gen: W. Carneiro Malta. **D.Prgr: N:** 16.00, 23.25, 01.05, 02.45. **Ann:** "Emissoras de ondas médias e curtas da Petropolis R. Difusora, o microfone lider do Estado do Rio". **V.** by letter.
58) C.P. 578, Fotaleza, CE. **L.P:** Dir. Gen: F. B. Barreto.
59) Praça Santo Antonio 880, Parnaiba, PI. **Te:** 1199. **L.P:** Dir. Gen: L. de Franca Rêgo. Dir. Tec: B. C. dos Santos. **D.Prgr:** 02.00-12.00, 14.00-17.00, 20.00-01.00. **N:** 14.55, 23.30. **Ann:** "PRJ4 o ZYE7, emissoras da R. Educadora de Parnaiba, em 1470 e 4825kc, onda de Parnaiba-Piauí, Brasil". **V.** by QSL-card and letter. Recordings accepted.
60) C.P. 102, Varginha, MG. **Te:** 2652. **L.P:** Dir. Gen: A. L. Bittencourt. St. Mgr: S. Sampaio M. Dir. Tec: O. C. Corsino. **D.Prgr: N:** 14.30, 21.30. **Ann:** "ZYB2 e ZYV56, Emissoras da Sociedade R. Clube Varginha Ltda". **V.** by letter. Recordings accepted.
61) C.P. 38, Uberaba, MG. **L.P:** Dir: Q. Jardim.
62) C.P. 171, Boa Vista, RS. **Cable:** Radiodaima. **L.P:** Dir: L. Oliveira.
63) Rua Areolino de Abreu 1101, Terezina, PI. **Te:** 316. **Cable:** Radiofusora. **L.P:** Dir. Gen: Dr. J. P. de Saboia. Dir. Prgr: J. L. dos Santos. **D.Prgr: N:** 09.00, 09.45, 15.00, 15.45, 21.10, 21.30, 00.00, 01.00. **V.** by letter. Rp.
64) Rua V. do Rio Branco 247, Taubaté, SP. **Te:** 302. **L.P:** Dir. Gen: E. A. Beringhs. Dir. Tec: A. R. Gonçalves. **D.Prgr:** 24 h (mw). **N:** 14.00. **Ann:** "ZYA8 e ZYR61 da R. Difusora Taubaté, S. Paulo, Brasil". **V.** by QSL-card. Recordings accepted.
65) C.P.533, Belém, PA. **Te:** 3263. **L.P:** Dir. Gen: E. Proença. Dir. Tec: M. Franco. **D.Prgr:** 09.00-03.00 (mw). **N:** 10.15, 11.25, 15.10, 16.25, 17.55, 20.55, 23.35, 01.30. **Ann:** "PRC5 R. Clube do Pará, a Voz que fala e canta para a planicie". **V.** by letter. Recordings accepted. Rp. preferred.
66) Av. Rio Branco 110, Rio de Janeiro. **Te:** 22-1818. **L.P:** Pres: C. Pereira C. Dir. Gen: M. F. do Nascomento Brito. Dir. Tec: W. Cabral X. **D.Prgr: N:** 10.30, 11.30, 12.30, 13.30, 14.30, 15.30, 17.30, 18.30, 19.30, 20.30, 21.30, 23.30, 00.30, 02.30, 03.30. **Ann:** "PRF4 e ZYZ30, R. Jornal do Brasil, Musica e Informação". **V.** by letter. Recordings accepted. **FM:** 88.5MHz.
67) Rua Teodoro Pacheco 1179, Teresina, PI. **L.P:** Dir: F. Das Chagas Mendes. **D.Prgr: N:** 09.25, 00.05, 01.30.
68) Departamento do Imprensa e Radiodifusão do Acre, Rio Branco.
69) C.P. 143, Poços de Caldas, MG. **L.P:** Dir: J. B. Rocha. **Ann:** "R. Cultura Poços de Caldas, uma das Emissoras da Cadeia Verde Amarela". **V.** by letter or QSL-card. Rp. preferred.
70) Av. Eduardo Ribeiro 566, Manáus, AM. **Te:** 1135. **Cable:** Radio Bareh. **L.P:** Dir. Gen: E. C. Barahuna. **D.Prgr:** mw: 09.00-03.00. **N** (W only): 10.00, 11.30, 13.30, 16.30, 18.30, 22.30, 01.00. **V.** by letter. Rp.
71) Av. 7 de Setembro 311, Salvador, BA. **Te:** 50125. **Cable:** Radiocultura. **L.P:** Gen. Mgr: J. R. Rocha. St. Dir: M. M. da Silva. **D.Prgr: N** (on 1120/9595/15225kHz): 15.20, 21.20, 01.00. **V.** by QSL-card. Rp. Recorded re. in P, Sp, E, F, I, accepted.
72) Av. Pres. Vargas 417A, Rio de Janeiro, GB. **L.P:** Pres: J. J. de Carvalho. **V.** by letter or QSL-card.
73) C.P. 22, Araraquara, Sp. **Te:** 2828. **L.P:** Dir. Gen: R. Lupo. Dir. Tec: J. A. Quirino dos Santos. **D.Prgr: N:** 12.00, 19.00. **Ann:** "Estas são Emissoras da R. Cultura Araraquara, Ondas Medias, Curtas e FM". **V.** by letter. Recordings accepted. **FM:** 97.3MHz.
74) Av. Candido Mendes, Macapa, AP. **L.P:** Dir: A. Nogueira de Souza. **D.Prgr: N:** every h on the h and W 21.30. **V.** by letter. **F.Pl:** 10kW sw-tr.
75) Praça J. Calheiros 8, Penedo, AL. **L.P:** Dir: C. H. V. Guimaraes. **V.** by letter. Re. in E, P.
76) C.P. 262, Juiz de Fora, MG. **L.P:** Dir. Gen: Dr. S. V. Mendes. **D.Prgr: N:** 12.00, 15.10, 20.00, 22.30, 00.30. **Ann:** "Emissoras Brasileiras de ondas curtas e médias da R. Industrial de Juiz de Fora, Estado de Minas Gerais". **V.** by letter.
77) Praça Monsenhor Linhares, Sobral, CE.
78) Rua Luiz Gama 492, Lins, SP. **L.P:** Dir: H. Noronha Franco.
79) C.P. 145, Natal, RGN. **Te:** 2582. **Cable:** Radio Poti. **L.P:** Dir. Gen: L. M. Alves. Dir. Tec: S. F. Neto. **D.Prgr:** mw 09.00-03.00. **N:** W 09.35, 12.30, 1500, 16.00, 23.00, 23.30. **Ann:** "R. Poti, Natal, Brasil" (also ann. in English and French every h and half h). **V.** by letter. Recordings accepted.
80) Escadaria São Brento 25, Vitoria, ES. **Ann:** "Estaçoes de ondas médias e curtas, R. Capixaba, Vitoria, Brasil".
81) Av. J. de Castilhos 1576, Caxias, MA.
82) Rua Dr. Candido Rodrigues 87, Bragança, PA. **Te:** 112. **L.P:** Dir: J. Batista Zechin. **D.Prgr: N:** 09.55, 10.55, 11.55, 19.55, 24.00. **Ann:** "R. Educadora de Bragança ZYE22, ZYE23 ondas médias e tropical . . . a Emissora Católica da familia brasileira". **V.** by letter. Re. in P.
83) C.P. 79, Campos, RJ. **Te:** 1582. **L.P:** Dir. Gen: M. F. Sampaio. Dir. Tec: N. Silva. **D.Prgr: N:** 09.45, 19.30. **Ann:** "PRF7 R. Cultura de Campos, a pioneira lider do Estado do Rio de Janeiro". **V.** by letter. Recordings accepted Rp.
84) C.P. 104, Porto Velho, RD. **Te:** 272. **L.P:** Dir: O. C. Vilhena. Dir. Tec: F. O. Barbosa. **Ann:** "ZYY21, R. Caiari de Porto Velho, Rondonia, a serviço de Deus da Patria e da familia". **V.** by letter. Recordings accepted.
85) Edif. Matos Carvalho 3° andar, São Luiz, MA. **Te:** 1160. **L.P:** Dir: J. Ferreira. **D.Prgr:** Sun 23.30-24.00 English; Mon 01.00 prgr. for foreign listeners in E, P, Sp.
86) C.P. 126, Cuiaba, MT. **L.P:** Dir: J. Oliveira.
87) C.P. 330, Goiania, GO. **Te:** 6-2555. **Cable:** Errebece. **L.P:** Dir. Gen: J. Abrão. St. Mgr: S. Fracai. Dir. Tec: J. Fleury. **D.Prgr: N:** 12.00, 15.00, 21.54, 23.24, 01.04, 03.00 (Sun 11.25, 12.25, 13.25, 14.25, 15.54, 21.25, 22.25, 23.24). **Ann:** "Sintonizam R. Brasil Central, Goiania, ondas média, curta, tropical e frequencia modulada, operando em Goiania, Capital do Estado de Goias". **V.** by QSL-card. Recordings accepted.
88) Av. Treze de Maio 23, Rio de Janeiro, GB. **Te:** 32-8199. **Cable:** Radioguan. **L.P:** Dir. Gen: A. de Carolia. St. Mgr: D. Tanus. Dir. Tec: Dr. U. B. Pinheiro. **D.Prgr:** 24 h. **N:** 11.30, 00.30, 03.00. **Ann:** "PRC8, R. Guanabara, Rio de Janeiro, Brasil". **V.** by QSL-card or letter. Rp.
89) Rua Estvão a correa 478, Aquidauana, MT.
90) Manaus, AM.
91) Rua Dr. Pacifico da Luz, Petrolina, PE. **Cable:** Emissora. **L.P:** St. Mgr: A. P. Pacheco. Dir. Tec: J. P. Mangabeira. **D.Prgr:** 08.55-03.00 (mw). **N:** 11.00, 15.30, 20.30, 22.00, 23.30, 01.00. **Ann:** "ZYK40 e ZYK41 Emissora Rural a do São Francisco operando nas frequencias de 730kc, onda media e 5025kc, onda tropical". **V.** by QSL-card and letter. Recordings accepted.
92) Caixa Postal 7, Goiania, GO. **Te:** 6-1855. **Cable:** Radite. **L.P:** St. Mgr: J. B. Teixeira. Dir. Tec: C. N. Barbosa. **D.Prgr: N:** Every h. **Ann:** "ZYW21 Onda Média e ZYW22 Onda Curta, frequencias de 1370 o 5035 Anhanguera difusora e televisora".
93) C.P. 80, Vitoria, ES. **L.P:** Dir: H. Blachman.
94) C.P. 225, Petropolis, RJ. **L.P:** Dir: N. Paiva.
95) Guiaba, MT. **L.P:** Dir: V. D. Cezar.
96) Praça Costa Pereira 132, Vitoria, ES. **Te:** 3406. **Cable:** Ravito. **L.P:** Dir. Gen: S. Kattar. Dir. Tec: H. Pagliari. **D.Prgr:** mw: 09.00-03.00. **N:** 11.00, 12.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00, 21.55, 00.30. **Ann:** "Ouvem a R. Vitoria, da Capital de Espirito Santo, Brasil". **V.** by letter. Rp.
97) Av. Paulista 900, 4° andar, São Paulo. **Te:** 355151. **Cable:** Radigazeta. **L.P:** Dir. Gen: I. F. de Campos. St. Mgr: J. F. Jorge. Dir. Tec: V. de Marco. Dir. Tec. (TV): C. Paiva. **D.Prgr: N:** 15.00, 19.00, 01.30, also every h on the h. **Ann:** "PRA6 R. Gazeta, São Paulo, a emissora da Elite, simultaneamente com ondas medias e curtas". **Int-Sig:** First movement of "Concert in B" by Tjaikowsky. **V.** by QSL-card. Rp.
98) Rua Caldas Jr. 219, Porto Alegre, RGS. **L.P:** Dir. Gen: E. Degrazia. Dir. Tec: B. F. Steiger. **D.Prgr: N:** 10.00, 16.00, 22.50, 02.00. **Ann:** "Emissoras Brasileiras de ondas médias e curtas de R. Guaiba de Porto Alegre, Rio Grande do Sul, Brasil". **V.** by letter or QSL-card. Recordings accepted.
99) C.P. 45, Florianopolis, SC. **L.P:** Dir: C. Bonetti. **V.** by QSL-card.
100) Ministerio da Educação e Cultura, Praça da República 141-A, Rio de Janeiro, GB (Owned and operated by The Federal Go. Ministry of Education). **L.P:** Dir. Gen: E. L. Viama. Dir. Tec: H. C. de Souza. **D.Prgr: N:** W 12.00, 15.00, 20.00, 22.00, 24.00, 02.50. **Ann:** "R. Ministerio de Educação e Cultura, transmitiendo pela Cultura, dos que vivem em nossa tena, pelo progresso do Brasil". **V.** by letter.
101) C.P. 1027, Belo Horizonte, MG. **Te:** 21589. **L.P:** St. Mgr: S. C. Valadores Jr. Dir. Tec: A. P. da Piedade. **D.Prgr:** 08.00-05.00 (mw). **N:** 10.05, 11.00, 15.15, 16.00, 21.55, 01.00, 02.00. **Ann:** "Aqui falam PRI3, PRK5, Emissoras de ondas curtas e medias da R. Inconfidencia, Belo Horizonte, Minas Gerais, Brasil". **Int-Sig:** Gong. **V.** by QSL-card or letter. Re. in E.
102) Av. Cruz Cabuga 394, Recife, PE. **Te:** 4-1522. **Cable:** Diarbuco. **L.P:** Dir: G. T. Maciel. Dir. Tec: A. Moreira. **D.Prgr: N:** 00.00, 01.00. **Ann:** "Esta é a R. Clube de Pernambuco, PRA8, do Recife, transmitiendo em onda média, na freq. de 720kc em ondas curtas, em 6015 e 11865kc, em 49 e 25 metros, respectivamente". **V.** by QSL-card. Recordings accepted. Rp.
103) C.P. 8087, São Paulo, SP. **Te:** 334175. **V.** by QSL-card.

104) Rua Irineu Marinho 35, Rio de Janeiro. **Te:** 426405. **L.P:** Dir: L. Brunini. Dir. Tec: D. S. Ferreira. **D.Prgr:** N: Every h on the h. **Ann:** "R. Globo do Rio de Janeiro, uma emissora de "O Globo", o maior jornal do pais". **V.** by QSL-card. Re. in P, Sp, E, F. **FM:** 92.5MHz.
105) C.P. 448, Curitiba, PR. **Te:** 4-4377. **Cable:** Bedois. **L.P:** Dir: L. G. de Freitas. Dir. Tec: H. E. Boehm. **D.Prgr:** 07.00-03.00 (mw). **N:** 10.00, 01.30. **Ann:** "PRB2 liderança local e presença nacional, B2 a maior potência radiofônica do Estado". **V.** by QSL-card. Recordings accepted.
106) Av. Miruna 713, São Paulo, SP. **Te:** 613667. **Ann:** "PRH7 R. Panamericana São Paulo, Brasil, a mais geuida". **V.** by by letter.
107) Ministerio da Agricultura, Largo da Misericordia 4° andar, Rio de Janeiro. **L.P:** Dir: A. Clovis J. **V.** by QSL-card.
108) C.P. 1472, Brasilia, DF. **L.P:** Dir: P. N. Viera. Dir. Tec: U. Venancio. **D.Prgr: N:** (R. Nacional Brasilia): 11.00, 12.00, 13.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00, 21.50, 23.00, 01.00. **Ann:** "R. Nacional de Brasilia, Ondas Médias e Curtas, falando para o Brasil e para o Mundo". **V.** by letter. Recording accepted. Rp.
109) Av. Imperador Pedro I, 346, Recife, PE. **L.P:** Dir. Gen: Dr. F. Pessoa de Queiros. **Ann:** P: "R. Jornal do Comércio, Recife, Pernambuco, ondas médias e curtas" or "Emissoras da R. Jornal do Comércio, Pernambuco, a voz mais potente de Brasil". **V.** by QSL-card.
110) C.P. 252 & 4142, São Paulo. **V.** by QSL-card or letter.
111) C.P. 222, Fortaleza, CE. **Te:** 1-3125. **Cable:** Prenove. **L.P:** Dir. Gen: M. E. P. Campos. **D.Prgr: mw:** 08.00-03.00. **N:** 08.45, 09.00, 11.00, 13.00, 15.30, 18.00, 18.55, 20.00, 21.50, 23.30, 00.30. **V.** by letter. Rp.
112) Av. Venezuela 43, Rio de Janeiro, GB. **Te:** 43-1309. **L.P:** Dir. Gen: N. Bastos. Dir. Prgr: R. Rezende. **D.Prgr: N:** W 10.00, 10.55, 15.00, 21.50, 23.55, 00.05, 00.35, 04.50. Sun 10.00, 15.00, 21.55, 00.30, 01.30, 03.25. **Ann:** "R. Tamoio do Rio de Janeiro, o Cacique do Ar". **V.** by letter. Rp.
113) Rua Sebastião Pereira 218, São Paulo. **L.P:** Dir: V. C. Petrelia Geraldino Jr. **Ann:** "PRG9, R.Nacional, São Paulo, Brasil". **V.** by QSL-card and letter.
114) C.P. 1164, Porto Alegre, RS. **Cable:** Pioneira. **Te:** 31822. **L.P:** Dir: M. Sirotzky S. Dir. Tec: W. Rivoir Jr. **D.Prgr: N:** 10.00, 15.00, 01.30.**Ann:** "Esta é a PRC2, PRC21 and PRC23 R. Gaucha de Porto Alegre, Rio Grande do Sul, Brasil". **V.** by letter, Rp. Recordings accepted.
115) Praça Maua 7, 19-22° andar, Rio de Janeiro. **Te:** 438850. **L.P:** Dir. Gen: M. Neiva. Dir: N. Faria. Dir. Tec: J. Nóbrega. **D.Prgr: N:** Every h on the h. **Ann:** "PRE8, R. Nacional do Rio de Janeiro, transmitiendo em ondas médias e curtas". **Int-Sig:** First movement of the Brasilian musical poem "Luar do Sertão. **V.** by letter. **F.Pl:** Foreign Sce. (on sw) in French, English, Spanish in 1968.
116) Rua 7 de Abril 230, São Paulo. **Te:** 34-4181. **L.P:** Pres: E. Monteiro. **Ann:** "PRE4, R. Cultura de São Paulo, transmitiendo em ondas médias, curtas e frequencia modulada".
117) C.P. 140, Belo Horizonte, MG. **Te:** 2-2445. **Cable:** Radio Guarani. **L.P:** Dir. Gen: J. de Oliveira V. Dir. Tec: V. P. Neto. **D.Prgr: N:** 03.00, 03.30, 04.00, 05.00, 06.00, 07.00, 08.00, 09.30, 10.05, 11.00, 11.30, 12.30, 15.00, 19.15, 20.55, 00.30, 01.00. **V.** by QSL-card. Rp. Recordings accepted.
118) C.P. 372, São Paulo, SP. **Te:** 80-1613. **Cable:** Radiantes. **L.P:** Pres: J. Jorge Saad. Vice Pres: J. Saad. Gen. Mgr: R. Saad. Dir. Tec: L. Aurani. **D.Prgr: N:** 10.00, 11.25, 12.22*, 14.54, 15.50, 19.50*, 21.44, 23.40*, 02.45+headlines at 06.59, 08.28, 08.58, 09.28, 11.58, 12.28, 12.58, 13.29, 13.58, 14.28, 16.28, 17.28, 17.58, 18.28, 18.58, 19.58, 20.28, 21.28, 23.29, 23.58 (* for motorists). **Ann:** "PRH9, R. Bandeirantes, a mais popular emissora Paulista". **Int-Sig:** Vibraphone and organ. **V.** by QSL-card or letter. Recordings accepted. Rp. preferred.
119) Rua Riachuelo 48, Rio de Janeiro, GB. **Te:** 52-8021. **L.P:** Dir: R. Berardo.
120) Departamento de Segurança Nacional, Rua da Relação, Rio.
121) Av. Erasmo Braga 118, Rio de Janeiro, GB. **Te:** 31-1264. **L.P:** Dir. Gen: W. Cunto. **V.** by letter. Prgr. Schedule free. Recordings accepted.
122) C.P. 471, Curitiba, PR. **Te:** 41393. **L.P:** Dir: N. Chede. **D.Prgr:** mw: 09.00-03.00. **ZYS47 R. Curitibana:** 09.00-02.00. **Ann:** "Emissoras de ondas curta, médias e frequencia modulada da R. Emissora Paranaense, Curitiba, Paraná, Brasil". **V.** by letter and QSL-card.
123) Rua Mayrink Veiga 15, Rio de Janeiro. St. closed by the Fed. Gov.
124) Rua da Palmeiras, São Paulo.
125) Rua Wenceslau Braz 78, São Paulo. **Te:** 333246. **L.P:** Dir: D. A. Macedo. Dir. Tec: A. A. Bouczan. **D.Prgr: N:** Every half h. **Ann:** "R. Nove de Julho de São Paulo, Brasil". **V.** by letter. Rp.
126) Av. Rio Branco 277, Rio de Janeiro, GB.
127) C.P. 331, Florianópolis, SC. **L.P:** Dir. Gen: Dr. P. K. Bornhausen. **Ann:** "Emissoras brasileiras de onda média e curta da R. Diario da Manhã de Florianópolis, Santa Catarina" or "Estaçoes de Florianópolis da R. Diario de Manhã". **V.** by QSL-card.
128) C.P. 443, Manaus, AM. **Te:** 2770. **Cable:** Emissora. **L.P:** St. Mgr: P. T. de Souza Brás. Dir. Tec: F. Bezerra. **D.Prgr:** 09.00-05.00 (mw). **N:** 00.30. **Ann:** "Esta é a R. Rio Mar de Manaus, Amazonas, Brasil". **V.** by QSL-card. Re. in P, E, Sp. Recordings accepted.
129) Ministerio de Trabalho, Av. Pres. Antonio Carlos 251, Rio de Janeiro. **Te:** 325399. **L.P:** Pres: Dr. A. Henriquez dos Santos. Dir. Adm: C. L. Mororó. Dir. Tec: O. C. Corsino. **Ann:** "R. Maua do Rio de Janeiro, em 1130kHz, ondas médias pela PRH8, em ondas curtas pelas emissoras ZYZ24, 31m, 9705kHz e ZYZ25, 25.25m faixa de 11885kHz". **V.** by letter. Rp. Recordings accepted.
130) Rua 7 de Setembro 1123, Porto Alegre, RGS. **Te:** 5177. **Cable:** Radiofar. **L.P:** Dir. Gen: N. D. de Oliveira. **D.Prgr:** mw: 09.00-04.00. **N:** W 10.00, 11.00, 11.55, 13.00, 14.00, 15.55, 17.00, 18.00, 19.00, 20.00, 21.50, 23.30, 00.30, 01.30, 01.40. Sun 10.00, 15.55, 21.50. **Ann:** "R. Farroupilha, Porto Alegre, Brasil". **V.** by letter. Rp. **Pub:** Prgr. on request.
132) C.P. 62, Goiania, GO. **Te:** 6-6042. **Telex:** 285. **Cable:** Folhago. **L.P:** Dir. Gen: D. F. Braga Sobrinho. **D.Prgr: N:** 11.25, 12.25, 13.25, 14.25, 15.00, 16.25, 17.25, 18.25, 19.25, 20.25, 21.25, 23.25, 01.00. **Ann:** "Sintonizam R. Clube de Goiana, Rede Nacional de Emissoras Associadas, falando para o Brasil". **V.** by letter. Rp.
133) Rua Carlos Gomes 57, Salvador, BA. **Te:** 3-3521. **Cable:** Gremio. **L.P:** Dir: R. Xavier. **V.** by letter. Rp.
134) C.P. 1053, Curitiba, PR. **L.P:** Dir: A. R. de Assis.
135) Rua 15 Novembro 707, Pelotas, RS. **L.P:** Dir: H. R. Larea.
136) C.P. 18, Ribeirão Preto, SP. **Te:** 2879. **L.P:** Dir. Gen: J. Laureano. St. Mgr: M. Simoes Filho. Dir. Tec: W. L. Perin. **Ann:** "PRA7, R. Clube de Ribeirão Preto, onda média de 730kc e ZYR206, onda curta de 15415kc". **V.** by letter.
137) R.U.S.D. — I.T.A. São José dos Campos, SP. **Te:** 450. **L.P:** Dir. Gen: M. R. Cherubini. Dir. Tec: M. F. Gonzales. **Ann:** "Ouvem a ZYR232, RUSD, emissora construida dirigida e operada poe alunos do ITA, e que transmite na freq. de 17725kc, faixa de onda de 16 metros". **V.** by letter and QSL-card. Recordings accepted. Rp.

**Medium Waves:**

138) **R. Tambau,** João Pessôa 2, PB.
139) **R. Soc. Passos,** Passos, M.G.
140) **R. Jornal Itabuna,** Praça João Pessôa 2, Itabuna, BA.
141) **R. Reporter,** Recife, PE.
142) **R. Atlantica,** C.P. 7, Santos, SP.
143) **R. Cataguazes,** Coronel Vieira 182, Cataguazes, MG.
144) **R.Dif. Brasileira,** Prata, MG.
145) **R. Londrina,** PR.
146) **R. Cruzeiro da Bahia,** Visconde do Rio Branco 30, Salvador, BA.
147) **R. Ouro Verde,** Jose Laureiro 370, Curitiba, PR.
148) **R. Assunção Cearense,** Visc. Sabólia 280, Fortaleza, CE.
149) **R.Dif. Cuiaba,** Praça B. Constant, Cuiabá, MT.
150) **R.Dif. Trianguluna,** Praça da Bandeira 16, Uberaba, MG.
151) **R.Dif. Cambará,** Cambará, PR.
152) **R.Dif. Sergipe,** J. P. Franco, Aracaju, SE.
153) **R. Santamariense,** G. Martins, Santa Maria, RS.
154) **R.Dif. Portoalegrense,** Rua Uruguai 155, Porto Alegre, RS. **V.** by letter. Recordings accepted.
155) **R. Cabugi,** Praça Pedro II 1016, Natal, RN. **Te:** 1118. **D.Prgr:** 08.00-03.30. **V.** by letter.
156) **R. La Voz da Araraquarense,** Av. Teijo 5334, Araraquara,
157) **R. Soc. Mantiqueira,** C.P. 62, Cruzeiro, SP.
158) **R. São Francisco,** Anápolis, GO.
159) **Empreza Jornal do Comercio,** Limoeiro, PE.
160) **R. Soc. Ponta Grossa,** Ponta Grossa, PR.
161) **R. Soc. Norte de Minas,** Montes Claros, MG. **D.Prgr:** 08.00-03.00. **V.** by QSL-card or letter. Rp.
162) **R. Colorado,** Av. Gen. Osório 874, Ribeirão Preto, SP.
163) **R. Mineira,** São Paulo 516, Belo Horizonte, MG.
164) **R.Cl. de Lages,** C.P. 60, Lages, SC.
165) **R. Bela Vista,** O. Maciel 540, Uberlandia, MG.
166) **R. Cultura de Belo Horizonte,** Rua Coromandel 117, Belo Horizonte, MG.
167) **R.Dif. de Minas Gerais,** João Monlevade, MG.
168) **R. Nordeste,** Macau, RN.
169) **Soc. de R. Tuba,** Tubarão, SC.
170) **Soc. R. Hora Certa,** Praça da Liberdade 61-7°, São Paulo.
171) **R. Marumby,** Praça Gen. Osório, Curitiba, PR.
172) **R. Emis. Veranense,** Veranópolis, RS.
173) **R. Marconi,** Santa Tereza 20, São Paulo, SP.
174) **R. Princesa,** Av. Marechal Floriano 38, Porto Alegre, RS.
175) **R. Mirador,** Av. A. Ramos 42, Rio Sul, SC.
176) **R. Universal,** Ave. Ana Costa 254, Santos, SP.
177) **R.Dif. Paraisense,** São Sebastião do Paraiso, MC.
178) **Universidade de Recife,** Recife, PE.
179) **R. Excelsior da Bahia, G. Brito 14 A,** Salvador, BA.

180) **R. Jornal de Goiás,** Rua 24 no. 20, Goiânia, GO.
181) **R. Rural de Concordia,** C.P. 11, Concordia, SC.
182) **R. Cultura de Gravataí,** Cel. Vic. 456, Gravataí, RS.
183) **R. Emissora de Educação Rural,** Av. Otávio Lamartine 603, Cairo, RN.
184) **R. Tabajara,** Av. Paraná 437, Londrina, PR.
185) **R. Mundial,** Av. Rio Branco 181, Rio, GB.
186) **R. Itai,** Andradas 1155, Itai, R.S.
187) **R. Nordeste,** J. Pressôa 86, Natal, RN.
188) **R. Cult. de Rio Preto,** São José do Rio Preto, SP.
189) **R.Dif. Bento Goncalves,** Bento Goncalves, RS.
190) **R. Emissora Santana,** Praça Barão do Rio Branco 128, Ponta Grossa, PR.
191) **Radio Araguari,** Brasil Acioli 28, Araguari, MG.
192) **R. Libertade de Sergipe,** Aracaju, SE.
193) **R. Cultura de São Vicente,** Conselheiro Nébias 170, São Vicente, SP.
194) **R. Cultura Paraná,** J. Loureiro 464, Curitiba, PR.
195) **R. Aratiba,** Erechim, s/n°, Aratiba, RS.
196) **Governo do Estado de Alagoas,** P. Monteiro 108, Maceió,
197) **Emis. Reunidas R. Cultura,** C.P. 89, Passo Fundo, RS.
198) **R. Atalaia,** Av. São Paulo 167, Belo Horizonte, MG
199) **R. Educadora do Nordeste Ltda,** Av. Dom José 783, Sobral, CE.
200) **R. Brejui Ltda,** Pres. J. Pessôa 26, Currais Novos, RN.
201) **R. Imembui S.A;** Aires 1980, Santa Maria, RS.
202) **R. Iracema de Fortaleza,** Santa Luzia 391, Juazeiro do Norte, CE.
203) **R. Difusora,** Praça Napoleão Moreira da Silva 155, Maringa, PR.
204) **R. Soc. de Juiz de Fora,** Barão de S. João Nepomuceno 197, Juiz de Fóra, MG.
205) **R. Chavantes,** Praça da Liberdade, Ipameri, GO.
206) **R. Colombo,** Av. M. Celso 211, Curitiba, PR.
207) **R. Campos Gerais,** Curitiba, PR.
208) **R. Rio Preto,** Campos 2087, São José de Rio Preto, SP.
209) **R. Tupan de São Paulo,** Rua Catalão 48, São Paulo.
210) **R. Emis. Metropolitana,** Riachuelo 48, Rio de Janeiro, GB.
211) **R.Cl. de Sorocaba,** São Bento 253, Sorocaba, SP.
212) **R. Cultura de Feira de Santana,** F. Santana, BA.
213) **R.Cl. de Patos,** Patos, MG.
214) **R. Teofilo Otoni,** Teofilo Otoni, MG.
215) **R. Soc. de Friburgo,** Praça G. Vargas 74, Nova Friburgo,
216) **Universidade do Rio Grande do Sul,** Sarmento Leite 426, Porto Alegre, RS.
217) **R. Minas,** Rio de Janeiro 430, Belo Horizonte, MG.
218) **R.Dif. de Caruaru,** C.P. 111, Caruaru, PE.
219) **R. Piratininga de Votuporanga, Votuporanga, SP.**
220) **R. Educação Rural,** Praça V.A. Joaquim 39, Mossoró, RN.
221) **R. Independencia,** Av. Anhanguera 130, Goiânia, GO.
222) **R. Guarajá,** Travessa Frutuoso Guimarães 348, Belém, PA.
223) **R. Colon,** C.P. 25, Joinville, SC.
224) **R.Cl. de Conquista,** Praça Barão do Rio Branco 18, Vitoria da Conquista, BA.
225) **R. Cultura,** Américo Brasiliense 414, Ribeirão Preto, SP.
226) **R. Emis. do Nordeste,** Flores da Cunha, RS.
227) **R. Paiquerê,** Londrina, PR.
228) **R. Anita Garibaldi,** Florianópolis, SC.
229) **R. Tapojóz Ltda,** Barão do Cêrro Azul 874, São José dos Pinhais, PR.
230) **R. Planalto de Araguari,** Afonso Pena 516, Araguari, MG.
231) **R. Esmeralda de Minas Gerais,** Coromandel 117, Belo Horizonte, MG.
232) **R. Continental,** Rua Andradas 1155, Porto Alegre, RS.
233) **R. Cometa,** Av. do Estado 3163, São Paulo, SP.
234) **R.Dif. Vale do Itajai,** C.P. 61, Blumenau, SG.
235) **R. Atalaia,** Aracajú, SE.
236) **R. Relógio Musical,** Matias do Albuquerque 260, Recife,
237) **R. Acaica.** Coromandel 117, Belo Horizonte, MG.
238) **R. Presidente Wenceslau,** P. Wenceslau, SP.
239) **R.Cl. de Londrina,** Londrina, PR.
240) **R. Cairi,** C.P. 83, Campina Grande, PB.
241) **R.Dif. de Joinville,** Joinville, SC.
242) **R. Pato Branco,** Av. Pres. Vargas, Pato Branco, PR.
243) **R. Dia. de Mossoró,** A. Fernandes 259, Mossoró, RN.
244) **R. Educadora de Campinas,** Av. F. Glicerio 957, Campinas, SP. **D.Prgr:** 08.00-05.00. **V.** by QSL-card or letter. Rp.
245) **R. Princesa do Iacui,** C.P. 69, Candelaria, RS.
246) **R. Municipal de Passo Fundo,** Passo Fundo, RS.
247) **R. Nazareth,** Belém, PA.
248) **R. Educação Rural,** Praça Rio X 335, Natal, RN.
249) **R. Pampa,** G. Rosário, Porto Alegre, RS.
250) **R. Cachoeira de Itapemirim,** Sete de Setembro 2, Cachoeira de Itapemirim, ES.
251) **R. Baré,** Cuiabá, MT.
252) **Empreza Jornal do Comercio,** Garanhuns, PE.
253) **R. Sul Rio Grandense,** Erechin, RS.
254) **R.Dif. A. Voz de Bagé,** C.P. 157, Bagé, RS.
255) **R. São Miguel,** Rua Santana 2676, Uruguaiana, RS.
256) **R.Dif. do Amazonas,** J. Sarmento 106, Manaus, AM.
257) **Soc. Ubaense,** Uba, MG.
258) **R.Dif. Guarapuava,** C.P. 13, Guarapuava, PR.
259) **R.Cl. Hertz,** Marechal Deodoro 220, Franca, SP.
260) **R. Alvorada,** Av. W3, Brasilia, DF.
261) **R. Tupanci,** 15 de Novembro 717, Pelotas, RS.
262) **R. Presidente Wenceslau,** Av. Newton Prado, Pres. Prudente, SP.
263) **R. Cultura,** Rua Jeronimo Coelho, Joinville, SC.
264) **R. Platina,** C.P. 110, Ituintaba, MG.
265) **R. Difusora,** Praça da Bandeirs, Limoeiro, PE.
266) **R. Chavantes,** Praça da Liberdade 13, Ipameri, GO.
267) **R.Cl. Pontagrossence,** C.P. 114, Ponta Grossa, PR.
268) **R. America,** Rua 14 de Julho 1482, Campo Grande, MT.
**L.P:** Mgr: A. Guerra. **D.Prgr:** 08.30-03.00.
269) **R. Independencia,** B. Campos 3180, São José do Rio Preto, SP.
270) **R. Atalaia,** C.P. 1260, Londrina, PR.
271) **R.Cl. do Piaui,** Teresina, PI.
272) **R. Ibituruna,** Av. Minas Gerais 976, Governador Valadares, MG.
273) **R. Cultura de Maringa,** 15 de Novembro 391, Maringa, PR.
274) **R. Carijós,** Praça G. Vargas 81, Conselheiro Lafaite, MG.
**D.Prgr:** 09.00-02.30. **V.** by letter. Recordings accepted.
275) **R.Cl. Metropole,** Av. Pres. Roosevelt 1406, Porto Alegre,
276) **R. Cultura de Cuiaba,** Cuiaba, MT.
277) **R. Atalaia,** Av. D. de Caixas 350, Maringá, PR.
278) **R. Chinquentenario,** Rua João Galo 94, Birigui, SP.
279) **R. Direceu de Marilia,** Dom Pedro 156, Marilia, SP.
280) **R.Dif. Cultura de Pelotas,** C.P. 268, Pelotas, RS.
281) **R. Progreso,** Maceió.
282) **R. Herval do Oeste Ltda,** C.P. 370, Joaçaba, SC.
283) **R. Cultura de Piaui,** Teresina, PI.
284) **R.Dif. A Voz da Amazonia,** Manaus, AM.
285) **R. Cruzeiro do Sul,** Rua B. do Rio Branco 167, Curitiba,
286) **R. Operaria de Araxa,** Maciel 226, Araxa, MG.
287) **R. Diamantina,** Diamantina, MG.
288) **Soc. Educadora de Itajuba,** Itajuba, MG.
289) **R.Cl. de Blumenau,** C.P. 61, Blumenau, SC.
290) **Empresa Jornal do Comercio,** Triumfo, PE.
291) **R.Dif. do Para,** Santo Antonio 491, Belém, PA.
292) **R. Arapuan,** D. de Caxias 550, João Pessôa, PA.
293) **R. Gurupi,** Av. Pena 46, São Luis, MA.
294) **R. Soc. Oeste Catarmense,** Chapecó, SC.
295) **R. Arapuan,** Praça Aristides Lobo 22, João Pessôa, PB.
296) **R. Guarathan,** Dr. Bozano 1380, Santa Maria, RS.
297) **R.Dif. Sul da Bahia,** C.P. 19, Itabuna, BA.
298) **R. Estadual,** Canoinhas, SC.
299) **R. Metropolitana Pauliste,** Praça D. F. Santana 21, Mogi das Cruzes.
300) **R. Difusora,** Coronel P. Gonçalves, Mimoso do Sul, RS.
301) **R. Uirapuru de Fortaleza,** C.P. 740, Fortaleza, CE.
302) **R. Alvorada,** Tiradentes, s/n°, Marau, RS.
303) **R. Independencia,** Rua Voluntaries da Patria 475, Curitiba,
304) **R. Cultura,** C.P. 173, Fernandópolis, SP.
305) **R. Continental do Reciffe,** Palma 167, Recife, PE.
306) **R. Emissora do Nordeste,** Av. Julio de Castilhos 1576, Caxias do Sul, RS.
307) **R. Industrial Paulista,** Rua Butanta 128, São Paulo.
308) **R. Tingui,** Piraquara, PR.
309) **R. Sul Flaminense,** C.P. 19, Barra Mansa, RS.
310) **R.Dif. de Pesqueira,** Av. Dr. Jm. de Brito 427, Pesqueira, PE. **D.Prgr:** 08.55-03.00. **V.** by letter. Recordings accepted. Rp.
311) **R. Jornal de Minas,** Belo Horizonte, MG.
312) **R. Porto Alegre,** Porto Alegre, RS.
313) **R. Jornal,** Av. J. Bonifacio 17, Itaperininga, BA.
314) **R. Educadora de Cariri,** Cariri, CE.
315) **R.Dif. de Rio Preto,** São José do Rio Preto, SP.
316) **R. Difusora de Poços de Caldas,** Praça P. Sanchez 115, Poços de Caldas, MG.
317) **R. Emissora Cultural,** Rio do Sul, SC.
318) **R. Cruzeiro do Sul,** Av. Senador S. Naves 155, Londrina,
319) **R. América,** Rua Consolação 166, São Paulo, SP.
320) **R. Verdes Mares,** C.P. 851, Fortaleza, CE.
321) **R. Imbiara de Araxá,** C.P. 19, Araxá, MG.
322) **R. Triumffo,** Cel. Vic. 456, Porto Alegre, RS.
323) **R. Colonial,** Panambi, RS.
324) **R. Vera Cruz,** Rua Buenos Aires 168, Rio, GB.
325) **R.Cl. de Teresina,** Teresina, PI.
326) **R.Cl. de Tupá,** C.P.39, Tupá, SP.
327) **R. Jornal de Sergipe,** Av. Rio Branco 20, Aracajú, SE.
328) **R. Baré,** Ribeiro 566, Manaus, AM.
329) **R.Cl. de Santos,** J. Cabalero 60, Santos, SP.
330) **R. Caturite,** Peregrino de Carvalho 321, Campina Grande,
331) **Campos Dif,** Santos Dumont 36, Campos, RJ.
332) **R. Coroados,** C.P. 33, Curitibanos, SC.
333) **R. Assunção,** Jales, SP.
334) **R. Iracema de Fortaleza, Praça M. Linhares, Sobral, CE.**
335) **R.Cl. de Rio Claro,** Treis 1423, Rio Claro, SP.
336) **R. Acaiaca,** Rua Coromandel 117, Belo Horizonte, MG.
337) **R. Emis. Convençã do Itu, F. Piexoto 1386, Itu, SP.**

338) **R. Soc. Muriaé,** Praça J. Pinheiro 10, Muriaé, MG.
339) **R. Espinhares de Patos,** Rua Barbosa 515, Patos, PB.
340) **R.Cl. Epitacio,** Pres Epitacio, SP.
341) **R. Progresso,** Av. P. A. Filho, s/n°, Novo Hamburgo, RS.
342) **R. Cultura de Volta Redondo,** Volta Redondo, RJ.
343) **R. Araripé,** Nelson de Asencar 90, Crato, CE.
344) **R. Difusora,** Rua Trebe de Junho 899, Corumbá, MT.
345) **Soc. Emiss. Continental,** Treze de Maio 49, Campos, RJ.
346) **R.Dif. A Voz de Bage,** C.P. 157, Bage, RS.
347) **R. Reporter,** C.P. 73, Ijui, RS.
348) **R.Dif. de Floriana,** Floriano, PI.
349) **R. Difusora,** C.P. 410, Assis, SP.
350) **R. Jaguariaiva,** Vila N. Sa. de Fátima, Jaguariaiva, PR.
351) **R. Upacarai,** Coronel Demétrio 71, Dom Pedrito, RS.
352) **R. Cultura,** C.P. 173, Fernandópolis, SP.
353) **R. Novo Horizonte,** C.P. 5, Novo Horizonte, SP.
354) **R. Nordeste,** Nova Cruz, RN.
355) **R. Cultura de Santo Amaro,** Santo Amaro, BA.

## CHILE

**L.T:** GMT−4 h — **Pr.L:** Spanish.

**ASOCIACION DE RADIODIFUSORAS DE CHILE (ARCHI)**
**ADDR:** Cas. 10476, Santiago de Chile. **Te:** 34509. **Cable:** Archi — **L.P:** Pres: G. Cortes Cruz. Vice Pres: E. McDonald Conley. Mgr: J. E. Maltes C.

**STATIONS: SW:** Call letter CE are used for all zones. **MW:** Call letters CA, CC and CD indicate: A=No. Zone, B=Central Zone, C=So. Zone and D=Antartic Zone. The figures indicate the freq. in kHz minus one cipher, f. inst. CB82=Central Zone 820kHz.

**St's** not associated with ARCHI: 9, 11, 14, 30, 31, 33, 39, 52, 66, 73, 85, 89, 91, 92, 98, 112, 116, 117, 118.

**Short Waves:**

| Call | kHz | m | kW | Name | h of tr. |
|---|---|---|---|---|---|
| 1) CE490 | 4908 | 61.14 | 1 | Transandina, Los Andes | |
| 2) CE595 | 5955 | 50.39 | 1 | R. Nuevo Mundo, Santiago | 10.30-04.00 |
| 3) CE597 | 5975 | 50.21 | 10 | Emis. Presidente Belmaceda | 10.00-05.00 |
| 4) CE601 | 6010 | 49.92 | 0.25 | R. Norte, Antofagasta | 11.00-04.50 |
| 5) CE603 | 6030 | 49.75 | 1 | R. Mineria, Talca | 11.00-04.00 |
| 6) CE605 | 6050 | 49.59 | 0.5 | R. Libertad, Antofagasta | 11.00-07.00 |
| 7) CE605 | 6050 | 49.59 | | R. Tucapel, Cãnete | |
| 8) CE607 | 6075 | 49.38 | 5 | Soc. Nac. de Mineria | 11.00-05.30 |
| 9) CE610 | 6100 | 49.18 | 1 | R. Calama | 11.00-04.00 |
| 10) CE611 | 6115 | 49.06 | 5 | Soc. Nac. de Agricultura | 11.00-05.00 |
| 11) CE613 | 6135 | 48.90 | 10 | R. Universidad de Concepción | 12.00-04.00 |
| 12) CE615 | 6150 | 48.78 | 5 | La Voz de Chile, Santiago | 11.00-04.30 |
| 13) CE617 | 6170 | 48.62 | | R. Universidad Tecnica del Estado, Santiago | 17.00-04.00 |
| 14) CE619 | 6190 | 48.47 | 10 | Corp. Chilena Broadc. | 11.00-04.00 |
| 14) CE950 | 9500 | 31.58 | 1 | Corp. Chilena Broadc. | 11.00-04.00 |
| 15) CE952 | 9520 | 31.51 | 1 | R. El Morro, Arica | 11.00-04.30 |
| 16) CE955 | 9550 | 31.41 | 1 | R. Valentin Letelier, Valparaiso Mon-Fri 16.30-18.30, Sat-Sun | 23.00-03.00 20.00-03.00 |
| 17) CE956 | 9560 | 31.38 | 10 | R. Portales, Santiago | 11.00-05.00 |
| 3) CE960 | 9600 | 31.25 | 1 | R. Pres. Balmadeca Santiago | 10.00-05.00 |
| 18) CE965 | 9650 | 31.09 | 1 | R. Yungay, Santiago | 11.00-23.00 |
| 12) CE970 | 9700 | 30.93 | 1 | La Voz de Chile, Santiago | 11.00 04.30 |
| 8) CE975 | 9750 | 30.77 | 5 | Soc. Nac. de Mineria | 11.00-05.30 |
| 2) CE1174 | 11740 | 25.55 | 5 | R. Nuevo Mundo, Santiago | 11.00-05.30 |
| 10) CE1180 | 11805 | 25.41 | 5 | Soc. Nac. de Agricult. | 11.00-05.00 |
| 19) CE1185 | 11850 | 25.32 | 1 | R. Cruz del Sur, Santiago | 10.45-04.10 |
| 12) CE1190 | 11900 | 25.21 | 5 | La Voz de Chile, Valparaiso | 10.30-04.30 |
| 8) CE1196 | 11960 | 25.08 | 5 | Soc. Nac. de Mineria | 11.00-05.30 |
| 8) CE1511 | *15115 | 19.85 | 5 | Soc. Nac. de Mineria | |
| 14) CE1515 | 15148 | 19.80 | 1 | Corp. Chilena Broadc. | 11.00-04.00 |
| 10) CE1530 | *15300 | 19.61 | 5 | Soc. Nac. de Agricultura | |

**Medium Waves:** *=also on shortwave.

| Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|
| 20) CB54 | 540 | 1 | 69) CB125 | 1250 | 1 |
| 21) CD54 | 540 | 1 | 15) CA126 | *1260 | 10 |
| 10) CB57 | *570 | 50 | 70) CD125 | 1250 | 1 |
| 22) CA59 | 590 | 1 | 71) CC126 | 1260 | 1 |
| 23) CC59 | 590 | 1 | 4) CA127 | *1270 | 1 |
| 24) CA62 | 620 | 1 | 8) CB127 | *1270 | 10 |
| 25) CC62 | 620 | 10 | 3) CB130 | *1300 | 10 |
| 26) CB63 | 630 | 1 | 72) CA132 | 1320 | 0.25 |
| 27) CA63 | 630 | 0.1 | 73) CC132 | 1320 | 10 |
| 28) CB63 | 630 | 1 | 74) CB133 | 1330 | 2 |
| 29) CC63 | 630 | | 75) CC133 | 1330 | 1 |
| 30) CA64 | 640 | 1 | 76) CD133 | 1330 | 1 |
| 31) CD64 | 640 | 10 | 77) CA134 | 1340 | 0.25 |
| 32) CB66 | 660 | 50 | 78) CB134 | 1340 | 1 |
| 11) CC68 | *680 | 10 | 79) CB135 | 1350 | 1 |
| 33) CB69 | 690 | 10 | 80) CD135 | 1350 | 1 |
| 12) CB73 | *730 | 10 | 81) CD135B | 1350 | 1 |
| 12) CB76 | *760 | 75 | 82) CC135 | 1350 | |
| 6) CA78 | *780 | 1 | 83) CA136 | 1360 | 1 |
| 34) CB78 | 780 | 1 | 11) CC136 | *1360 | 10 |
| 35) CD78 | 780 | 1 | 19) CB138 | *1380 | 50 |
| 36) CA82 | 820 | 0.25 | 84) CA140 | 1400 | 0.25 |
| 37) CB82 | 820 | 1 | 85) CC140 | 1400 | 1 |
| 38) CC82 | 820 | 1 | 86) CB141 | 1410 | 1 |
| 39) CD82 | 820 | 1 | 87) CD141 | 1410 | 0.1 |
| 40) CB84 | 840 | 10 | 88) CA142 | 1420 | 0.1 |
| 41) CD84 | 840 | 1 | 89) CB142 | 1420 | 1 |
| 42) CB89 | 890 | 5 | 90) CC142 | 1420 | 0.25 |
| 43) CC89 | 890 | 1 | 91) CC143 | 1430 | 1 |
| 44) CD89 | 890 | 1 | 92) CD143 | 1430 | 1 |
| 45) CC90 | 900 | 1 | 93) CB144 | 1440 | |
| 2) CB93 | *930 | 10 | 94) CB145 | 1450 | 0.25 |
| 46) CB96 | 960 | 10 | 95) CD145 | 1450 | 0.25 |
| 9) CA97 | *970 | 1 | 96) CD145B | 1450 | 2.5 |
| 47) CB97 | 970 | 1 | 97) CA146 | 1460 | |
| 48) CC97 | 970 | 1 | 18) CB146 | *1460 | 1 |
| 49) CD97 | 970 | 1 | 98) CC146 | 1460 | |
| 50) CA101 | 1010 | 0.25 | 99) CB147 | 1470 | 1 |
| 51) CB101 | 1010 | 10 | 100) CC148 | 1480 | 0.25 |
| 52) CD101 | 1010 | 1 | 101) CD148 | 1480 | 1 |
| 16) CB103 | *1030 | 1 | 102) CB149 | 1490 | 1 |
| 53) CC103 | 1030 | 0.1 | 103) CA150 | 1500 | 10 |
| 54) CD103 | 1030 | 1 | 104) CB150 | 1500 | 0.5 |
| 55) CD103 | 1030 | | 105) CC151 | 1510 | 1 |
| 56) CD103 | 1030 | 0.1 | 106) CC152 | 1520 | 1 |
| 8) CB106 | *1060 | 100 | 107) CA153 | 1530 | |
| 57) CD108 | 1080 | 1 | 108) CB153 | 1530 | 1 |
| 58) CA109 | 1090 | 1 | 109) CC153 | 1530 | 1 |
| 59) CA109 | 1090 | | 110) CC154 | 1540 | 0.25 |
| 5) CC109 | *1090 | 1 | 111) CB155 | 1550 | 0.1 |
| 60) CD109 | 1090 | 1 | 112) CC155 | 1550 | 0.25 |
| 61) CB111 | 1110 | 1 | 113) CD155 | 1550 | 0.25 |
| 62) CD111 | 1110 | 1.5 | 114) CB156 | 1560 | 0.1 |
| 63) CD112 | 1120 | | 115) CC156 | 1560 | 0.1 |
| 14) CB114 | *1140 | 50 | 116) CD156 | 1560 | 0.1 |
| 17) CB118 | *1180 | 50 | 1) CB157 | *1570 | 0.25 |
| 64) CA120 | 1200 | 1 | 117) CC158 | 1580 | |
| 10) CD120 | 1200 | 1 | 118) CB159 | 1590 | 0.25 |
| 13) CB121 | *1210 | 1 | 119) CC159 | 1590 | 0.25 |
| 65) CA124 | 1240 | 1 | 120) CB160 | 1600 | |
| 66) CB124 | 1240 | 1 | 121) CB160A | 1600 | 0.25 |
| 67) CC124 | 1240 | 1 | 122) CC160 | 1600 | |
| 68) CA125 | 1250 | 1 | 123) CC160B | 1600 | 0.25 |

**Short Waves:**
1) Cas. 307, Los Andes. **L.P:** Dir. R. Grez Tellez.
2) Cas. 9255, Santiago. **Te:** 382392. **Cable:** R. Nuevo Mundo. **L.P:** Dir. Gen: G. Mendez. **D.Prgr: N:** 11.30, 12.30, 13.00, 14.00, 15.00, 16.00, 17.15, 18.00, 19.00, 20.00, 21.00, 22.00, 23.00, 01.00, 02.00, 03.00. **Ann:** "Estas son las Emisoras Nuevo Mundo de Santiago de Chile, que transmiten por CE95 onda large, CE1174 onda corta en las Banda de 25 metros, CE595 ondas corta en 49 metros y su equipo de FM en 93.5Mc". **V.** by QSL-card and letter. Re. in Sp, E.
3) Cas. 13650, Santiago. **Te:** 88720. **Cable:** Prebal. **L.P:** Dir. Gen: E. MacDonald. **D.Prgr: N:** 10.00, 11.05, 17.15, 01.30, 04.40+short N. every h on the h. **Int-Sig:** Gong with notes from "Los Copihues Rojos" — **V.** by QSL-card.
4) Cas. 556, Antofagasta. **Te:** 383. **L.P:** J. Cvitanic. Dir. Tec: R. Olivares M. **D.Prgr: N:** 11.30, 12.15, 17.00, 17.15, 00.15, 02.00+short N every h. **V.** by QSL-card. Recordings accepted. Prgr. sched. free.
5) Cas. 21-D, Talca. **Te:** 33076. **L.P:** Dir: A. Hasbun.
6) Cas. 457, Antofagasta. **L.P:** Dir. S. Guttmann. **D.Prgr: N:** 12.00, 17.30, 01.00, 02.30 — 7) Cañete.
8) CB106: Cas. 2626, Santiago. **Te:** 381341. **Cable:** Radiomineria. CB127: Cas. 337, Vina del Mar. **L.P:** CB106: Dir. Gen: L. H. Videla P. Mgr: A. Santa Cruz. Dir. Prgr: R. Rojas R. Dir.

Tec: R. Fuentes A. CB127: Mgr: L. Munos. **D.Prgr:** CB106: 24 h.**N:** 10.00, 11.00, 12.00, 16.45, 17.30, 01.00, 01.45, 02.30. **Ann:** "Santiago de Chile, R. Soc, Nac. de Mineria". **Int-Sig:** Gong. **V.** by QSL-card. R. in E. or Sp.

9) Cas 1, Calama. **Te:** 10. **L.P:** Dir: J. Granic. Dir. Tec: S. Wierckinsky. **D.Prgr: N:** 11.02, 12.00, 16.45, 17.30,00.15, 02.30. **Ann:** "Transmite CA97, CE610 en 49 metros, R. Calama de Calama, República de Chile". **V.** by letter. Recordings accepted.

10) CB57: Cas. 40-D, Santiago. **Te:** 64660. CD120: Cas. 327, Los Angeles. **Te:** 517.**L.P:** CB57: Dir: E. Echeverria M. CB120: Dir: S. Jimenez. **D.Prgr: N:** 11.30, 17.30, 01.30. Also on the h from 13.00. **Ann:** "CB57 R. Agricultura de Santiago, Chile, sus estaciones en onda corta en 25 y 49 m - - -". **V.** by QSL-card or letter. Recordings accepted.

11) Cas. 2337, Concepcion. **Te:** 23207. **L.P:** Mgr: F. Dussuel. Dir. Tec: O. Sa. Martin. **D.Prgr: N:** 12.15, 17.15, 01.30. **Wrp:** 01.30. **L.L:** French 14.30, 23.30. **Ann:** "Transmite R. Universidad de Concepcion CC68 en Onda Larga, CE613 en Onda Corta en la Banda 49 metros y con su equipo de FM en 95.1Mc, desde la Cuidad Universitaria, Concepcion, Chile". **V.** by QSL-card and letter. Re. in E. and Sp. **Pub:** Prgr. schedule on request.

12) CB76/CE615/CE970: Cas. 13130, Santiago. **Te:** 61685. CB73/CE1190: Cas. 37V, Valparaiso. **Te:** 56889. **Cable:** Vitalradio. **L.P:** CB76: Dir. Gen: R. Sousa C. CB73: Gen. Mgr: R. Reyes B. Dir. Tec: A. Elsidieth. Dir. Prgr: M. Rodriguez G. **D.Prgr: N:** CB76/CE615/CE970: 11.30, 12.15, 13.00, 16.00, 16.45, 17.15, 18.00, 19.00, 19.20, 20.00, 21.00, 22.00, 23.00, 00.15, 02.00; CB73/CE1190: 11.00, 11.30, 12.00, 13.00, 14.00, 15.00, 16.00, 16.45, 17.15, 18.00, 19.00, 20.00, 21.00, 22.00, 22.30, 00.00, 02.00, 03.00, 04.00. **Ann:** "Emisoras La Voz de Chile, La Cooperativa". CB73: "CB73 y CE1190 onda corta en la Banda de 25 m, estaciones en Valparaiso de Radios Cooperativa, La Voz de Chile". **Int.Sig:** Gong with central theme of "Pomp and Circumstance". **V.** by letter. Recordings accepted.

13) Av. Ecuador 3469, Santiago. **Te:** 92981. **L.P:** Dir: G. Vidal. Dir. Tec: J. Arenas K. **D.Prgr: N:** 12.45, 17.15, 00.00. **L.L:** W 23.30 (English Mon/Wed/Fri; French Tues/Thurs/Sat). **V.** by letter. Recordings accepted.

14) Cas. 244V, Santiago. **Te:** 63674. **L.P:** Dir: S. Fernandez. **D.Prgr: N:** Every h on the h. **Ann:** "Transmite CB114, R. Corporación, Santiago de Chile, R. Corporación en el mejor lugar, su hogar".

15) Cas. 463, Arica. **Te:** 1402. **L.P:** Dir: C. Nieto G. **D.Prgr:** 11.00-06.00. **V.** by letter.

16) Box 211V, Valparaiso. **L.P:** Dir: R. Allu. **Ann:** "Esta as R. Valentin Letelier, de la Escula de Derecho de Valparaiso, de la Universidad de Chile, transmitiendo en Onda Larga CB103, en 1030kc, en Onda Corta CE955, en 9550kc, y en FM CE104.3 en 104.3Mc por segundo". **V.** by QSL-card or letter. Re. in Sp. or E.

17) CB118/CE956: Cas. 13962, Santiago. **Te:** 68279. CB59: Cas. 98V, Valparaiso. CC108: Cas. 21-D, Talca. **L.P:** Dir: R. Tarud S. Dir. Tec: A. Hasbun A. **D.Prgr: N:** 11.30, 12.00, 13.00, 14.00, 15.00, 16.00, 19.00, 20.00, 21.00, 23.00, 04.57.

18) Cas. 3041, Santiago. **Te:** 31583. **L.P:** Mgr: H. Beweis C. Dir. Tec: O. Franchino R. **N:** 11.00- 12.30. **Italian:** 11.30. **French:** 00.45. **Ann:** "Aqui Emisoras Yungay con tres frecuencias para su mejor sintonia". **Int-Sig:** First movement of the song "Donde el Azul de la Noche encuentra el Ove del Dia". **V.** by letter. Recordings accepted. Rp.

19) Plaza Bulnes 47, Santiago. **Te:** 62055. **L.P:** Dir. Gen: M. Parada C. Mgr: C. Poblete. Dir. Tec: P. del Campo B. **D.Prgr: N:** 12.00, 14.00, 16.00, 17.45, 20.00, 22.00, 00.00, 01.45. **Ann:** "Estas son las emisoras Cruz del Sur, Santiago de Chile, que transmiten en CB138, onda larga, CE1185, onda corta, banda de 25 m - - -". **V.** by letter. Recordings accepted. **V.** All re. to be sent to Sr. V. Hugo Olguin D, Departmento de Relaciones, Internacionales, and will be answered by QSL-card or letter.

**Medium Waves:**

Generally 11.00-04.00, exc. where indicated.

20) **R. Ignacio Serrano,** Cas. 110, Melipilla. **L.P:** Dir: J. Massoud.

21) **R. Sur,** Cas. 60-D, Valdivia. **Te:** 641. **L.P:** Dir: E. Charpentier.

22) **R. Mineria,** Cas. 1060, Antofagasta. **L.P:** Dir: M. Miranda.

23) **R. Condor,** Cas. 486, Concepcion. **Te:** 25801. **L.P:** Dir: R. Villosenor.

24) **R. Norte Verdes,** Cas. 252, Ovalle. **L.P:** Dir: F. Morales.

25) **Nueva R. El Sur,** Cas 482, Concepcion. **L.P:** Dir: M. Saez.

26) **R. I. EM,** Cas. 244V, Santiago. **L.P:** Dir: D. Santa Cruz.

27) **R. Chañaral,** Comercio 53, Chañaral. **L.P:** Dir: H. Garrao.

28) **R. Pres. Prieto.** Cas. 37V, Valparaiso. **L.P:** Dir: R. Reyes.

29) **R. Constitucion,** Constitucion. **L.P:** Dir: F. Otaysa.

30) **R. Esmaralda,** Cas. 209, Iquique. **Te:** 572. **L.P:** Dir: J. Fuster H.

31) **R. Cautin,** Cas. 40-D, Temuco. **Te:** 31695. **L.P:** Dir: C. Spahie.

32) **Nueva R. Chilena,** Ca. Compañia 1264, Santiago. **L.P:** Dir: E. Menchaca.

33) **R. Santiago,** Cas. 10195, Santiago. **Te:** 36228. **L.P:** Dir: R. Vergera. Dir. Tec: P. del Campo.

34) **R. Caupolican,** Cas. 506, Valparaiso. **L.P:** Dir: Sra. L. D'ambra.

35) **R. La Frontera,** Cas. 516, Temuco. **Te:** 32140. **L.P:** Dir: D. de Mayo.

36) **R. Pampa,** P. de Valdivia. **L.P:** Dir: R. Onat.

37) **R. del Pacifico,** Cas. 3591, Santiago.**Te:** 87497. **L.P:** Dir: R. Vivado and Quinteros. **D.Prgr:** 24 h.

38) **R. Almirante Latorre,** Cas. 358, Talcahuano. **L.P:** Dir: A. Deij.

39) **R. Concordia,** Cas. 119, La Union. **Te:** 20. **L.P:** Dir: C. Figueroa.

40) **R. Portales,** Cas. 89-V, Valparaiso. **Te:** 57657. **L.P:** Dir: N. Tarud.

41) **R. Llaima,** Yungay 154, Curacautin. **L.P:** Dir: Sra. R. Valenzueza.

42) **R. Bulnes,** Cas. 1555, Santiago. **L.P:** Dir: C. Briceno.

43) **R. Interamericana,** Cas. 97, Concepcion. **Te:** 21446. **L.P:** Dir: M. Fonseca.

44) **R. Polar,** Cas. 13-D, Punta Arenas. **Te:** 21902. **L.P:** Dir: R. Venegas. **D.Prgr:** 11.30-04.00. **V.** by letter.

45) **R. Nuble,** Cas. 267, Chillan. **Te:** 21742. **L.P:** Dir: H. Vaccaro.

46) **R. Carrera,** Tenderini 115, Santiago. **L.P:** Dir: O. Pizarro.

47) **R. Soc. Nac. de Agricultura,** Cas. 90, Valparaiso. **Te:** 59352. **L.P:** Dir: A. Coronel.

48) **R. Lautaro,** Cas. 214, Talca. **Te:** 31435. **L.P:** Dir: J. Mandiola.

49) **R. Patagonia,** Cas. 53, Coyhaique. **L.P:** Dir: L. A. Ojeda.

50) **R. Coya,** Maria Elena. **L.P:** Dir: R. Onat.

51) **R. Magallanes,** Cas. 13940, Santiago. **Te:** 33615. **L.P:** Dir: A. Benedicto.

52) **R. Llanquihue,** Cas. 356, Puerto Montt. **Te:** 2234. **L.P:** Dir: R. Salinas.

53) **R. El Roble,** Cas. 37, Parral. **Te:** 25. **L.P:** Dir: J. Bogazy.

54) **R. Chiloe,** Cas. 106, Castro. **L.P:** Dir: A. Velasquez.

55) **R. Payne,** Cas. 97, Puerto Natales. **L.P:** Dir: J. Navarro.

56) **R. Malleco,** Cas. 204, Victoria. **L.P:** Dir: J. Villablanca.

57) **R. Camilo Henriquez,** Cas. 28-A, Valdivia. **L.P:** Mgr: H. Werkmeister.

58) **R. La Portada,** Cas. 410, Antofagasta. **Te:** 23523. **L.P:** Sra. Raymunde Prieto.

59) **R. Occidente,** Cordoves 561, La Serana. **L.P:** Dir: G. Gonzalez.

60) **R. Mineria,** Cas. 40-D, Punta Arenas. **Te:** 23135. **L.P:** Dir: R. Utz.

61) **R. Recreo,** Cas. 596, Viña del Mar. **L.P:** Mgr: E. Goday. Dir. Tec: J. C. Tribuzio. **D.Prgr:** 12.00-04.00.

62) **R. Sago,** Cas. 35-O, Osorno. **L.P:** Dir: P. Burgos. **D.Prgr:** 11.30-04.00.

63) **R. General Merchant,** Cas. 112, Puerto Aysen. **L.P:** Dir: J. Escobar.

64) **R. Blanco Encalada,** Cas. 2001, Tocopilla. **L.P:** Dir: A. Arce.

65) **R. del Salitre,** Cas. 7-D, Iquique. **L.P:** Dir: F. Brito.

66) **R. Vina del Mar,** Cas. 534, Viña del Mar. **L.P:** Dir: J. Venegas.

67) **R. Talca,** 5 Oriente, 1 Norte, Talca. **L.P:** Dir: L. Gajardo.

68) **R. La Serena,** Cas. 118, La Serena. **L.P:** Dir: A. Pino.

69) **R. Andres Bello,** Mac Iver 142, Santiago. **L.P:** Mgr: J. Morris.

70) **Universitaria Tecnico del Estado,** Valdivia.

71) **R. Condell,** Cas. 492, Curico. **L.P:** Dir: A. Guerra.

72) **R. Estrella del Norte,** Cas. 13, Vallenar. **L.P:** Dir: L. Morales.

73) **R. Simon Bolivar,** Cas. 318, Concepcion. **L.P:** Dir: A. Jean.

74) **R. Prat,** Cas. 10210, Santiago. **Te:** 30107. **L.P:** Dir: P. Valenzuela. **D.Prgr:** 11.00-05.40.

75) **R. La Discusion,** Cas. 14-D, Chillan. **L.P:** Dir: A. Lagos.

76) **R. Vicente Perez Rosales,** San Filipe 80, Puerto Montt. **L.P:** Dir: O. Mesa H.

77) **R. Toco,** Cas. 808, Tocopillo. **L.P:** Dir: R. Onat.

78) **R. Porteña,** Cas. 887, Valparaiso. **L.P:** Dir: E. Roger.

79) **R. Panamericana,** Agustinas 975, Santiago. **L.P:** Dir: F. Claro.

80) **La Voz del Sur,** Cas. 53, Punta Arenas. **Te:** 22253. **L.P:** Dir: J. Baharovic. **D.Prgr:** 11.30-04.00.

81) **R. Pudeto,** Edif. Yuri, Ancud. **L.P:** Dir: J. Vasquez.

82) **R. Imperial,** Cas. 370, Temuco. **L.P:** V. Bustos.

83) **R. Riquelme,** Cas. 92, Coquimbo. **L.P:** Dir: C. Salamanca.

84) **R. Atacama,** Cas 57, Copiapo. **Te:** 171. **L.P:** Dir: A. Sidgmann.

85) **R. Araucania,** Cas. 462, Concepcion. **L.P:** Dir: R. Ariona.

86) **R. Valparaiso,** Cas 1096, Valparaiso.**L.P:** Dir: J. O'Shee.

87) **R. Loncoche,** Cas. 61, Loncoche. **Te:** 115. **L.P:** Dir: M. Tellez.

88) **R. Alonso de Ercilla,** Cas. 369, Illapel. **L.P:** H. Pinochet.

89) **R. Nacional,** Cas. 9987, Santiago. **Te:** 31782. **L.P:** Mgr: L. H. Sorrel.

90) **R. Maule,** Cas. 196, Cauquenes. **L.P:** Dir: I. Cortez M.

91) **R. El Libertador,** Cas. 102, Rancagua. **Te:** 22032. **L.P:** Dir: M. Gallegos.
92) **R. Eleutario Ramirez,** Ramirez 652, Osorno. **L.P:** Dir: R. Ramirez.
93) **R. Sergento Candelaria,** Ahumada 131, Santiago. **L.P:** Dir: A. Castille.
94) **Univ. Technica Santa Maria,** Cas. 110-V, Valparaiso. **L.P:** Dir: C. Ceruti. **D.Prgr:** 01.00-02.30.
95) **R. Arauco,** Cas. 6, Angol. **L.P:** Dir: J. Abasolo.
96) **R. Turismo,** Puerto Varas.
97) **R. Antofagasta,** Cas. 439, Antofagasta. **L.P:** Dir: A. Garcia.
98) **R. Talcahuano,** Anibal Pinto 399, Talcahuano.
99) **R. Sargento Aldea,** Cas. 38, San Antonio. **L.P:** Dir: R. Araya.
100) **R. Regional,** Cas. 132, Curico. **L.P:** Dir: J. Aravena. D.Prgr: 11.00-06.00. V. by QSL-card.
101) **R. Baquedano,** Cas. 758, Valdivia. **Te:** 1510. **L.P:** Dir: C. Cockbaine.
102) **R. La Verdad,** Los Serenos 326, Santiago. **L.P:** Dir: G. Jaques.
103) **R. Patricio Lynch,** Vivar 489, Iquique. **L.P:** Dir: L. Roldan.
104) **R. Sudamerica,** Cas. 1346, Santiago. **L.P:** Dir: M. Casabianca.
105) **R. Rancagua,** Cas. 21, Rancagua. **Te:** 462. **L.P:** Dir: J. Romero.
106) **R. Soberania,** Cas. 11-D, Linares. **Te:** 277. **L.P:** Dir: R. Abasolo.
107) **R. Diego de Almeyda,** Pueblo Hundido. **L.P:** Dir: D. Figueroa. (CA153: R. Juan Godoy, Cas. 142, Copiapo.)
108) **R. Chacabuco,** Cas. 370, Quillota. **L.P:** Dir: S. Achondo.
109) **R. El Carbon,** Cas. 66, Lota. **Te:** 63. **L.P:** Dir: N. Mosciatti.
110) **R. Centenario,** Cas. 18, San Javier. **Te:** 29. **L.P:** Dir: M. Gaete.
111) **R. Provincial,** Cas. 73, Putaendo. **L.P:** Dir: H. Arancibia.
112) **R. Manue Rodriguez,** Cas. 147, San Fernando. **L.P:** Dir: L. Guerra.
113) **R. Regional,** Cas. 293, Traiguen. **Te:** 220. **L.P:** Dir: H. Cuadra.
114) **R. Limache,** Cas. 92, Limache. **Te:** 247. **L.P:** Dir: H. Arellano.
115) **R. Central,** Cas. 202, San Carlos. **Te:** 163. **L.P:** Dir: Victor Busto.
116) **R. Jeronimo de Alderete,** Cas. 351, Villarrica. **L.P:** N. Paez.
117) **R. Colchagua,** Santa Cruz. **L.P:** Dir: J. Villalon.
118) **R. Aconcagua,** Cas. 100, San Filipe. **L.P:** Dir: R. G. Gonzales.
119) **R. Rengo,** Edif. Municipal, Rengo. **L.P:** Dir: I. Gandarillas.
120) **R. Reloj,** Valparaiso.
121) **R. Chronos,** Plaza Bulnes 79, Santiago. **L.P:** Dir: F. Ruiz-Tagle.
122) **R. Horario,** Concepcion. **L.P:** Dir: E. Sanchez.
123) **R. Talca. L.P:** Dir: Sra. America Velasco Ramirez.

## COLOMBIA

**L.T:** GMT−5 h — **Pr.L:** Spanish.

**MINISTERIO DE COMUNICACIONES,** Dirección Gral. de Radiocomunicaciones, Bogotá.
**STATIONS:** a) Gov. st's — b) Cultural or non-comm — c), d), e), f), g) Comm. Network st — i) Comm. st.
**Short Waves: Call:** HJ - - -. †=inactive. 11.00-05.00 exc. where indicated.

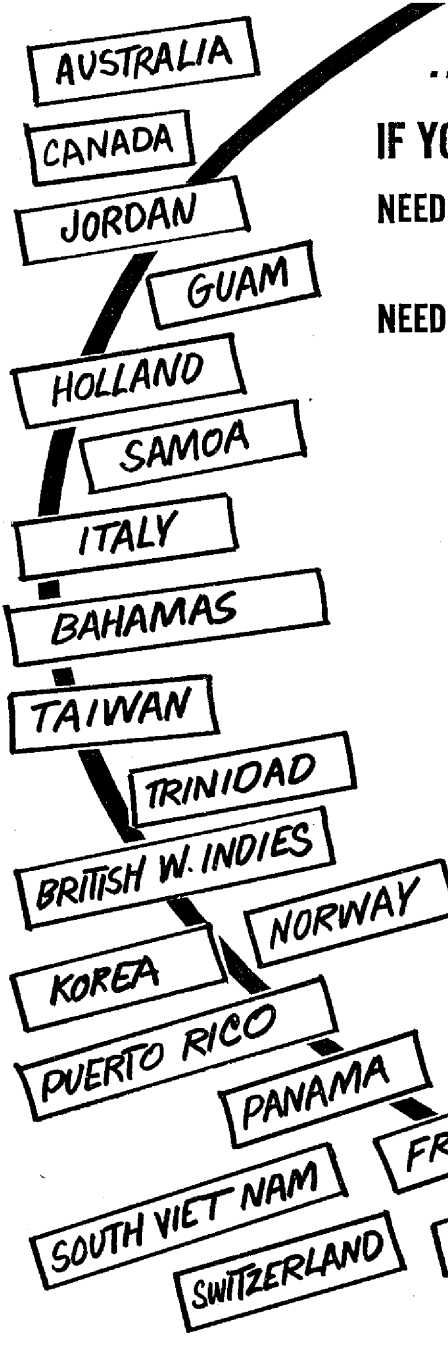
| | Call | kHz | m | kW | Name, h of tr. |
|---|---|---|---|---|---|
| 2)c | GO | †3250 | 92.31 | 10 | Acció Cult. Popular, Sutatenza |
| 2)c | GW | †3260 | 92.02 | 10 | Acció Cult. Popular, Sutatenza |
| 1)a | AB | †3290 | 91.19 | 25 | R. Nacionál, Bogotá |
| 3)b | IV | †4755 | 63.09 | 2.5 | Réina de Colombia, Chiquinquirá |
| 4)i | KW | 4775 | 62.84 | 1 | Los Voz de Maria, Bogotá: 11.30-03.00 |
| 5)h | LW | 4785 | 62.70 | 1 | Ecos del Combéima, Ibaqué: 11.00-04.00 |
| 6)e | FU | 4795 | 62.57 | 1 | La Voz del Comercio, Armenia |
| 7)b | AU | 4805 | 62.43 | 0.5 | Universidad de Antióquia, Medellín |
| 8)i | HC | 4825 | 62.18 | 1 | R. Narifio, Pasto: 10.45-05.00 |
| 9)i | AM | 4835 | 62.05 | 1 | R. Buenaventúra, Buenaventúra |
| 10)i | GF | 4845 | 61.92 | 1 | R. Bucaramánga, Bucaramánga: 11.00-04.00 |
| 11)d | GT | 4855 | 61.79 | 1 | R. Néiva, Néiva: 23.00-02.00 |
| 12)d | ED | 4875 | 61.54 | | La Voz del Rio Cauca, Cali: 24 h |
| 13)d | DE | 4875 | 61.54 | 1 | R. Villavicéncio, Villavicéncio |
| 14)i | IC | 4885 | 61.45 | 1 | Ondas del Meta, Villavicéncio |
| 15)i | CH | 4895 | 61.29 | 1 | La Voz de la Víctor, Bogotá |
| 16)i | AG | 4905 | 61.16 | 1 | Emis. Atlántico, Barranquilla: 11.30-04.00 |
| 17)f | DH | 4945 | 60.67 | 1 | R. Colosál, Néiva: 10.30-05.00 |
| 1)a | CQ | 4955 | 60.54 | 20 | R. Nacional, Bogotá |
| 18)i | AF | 4965 | 60.42 | 2.5 | R. Santa Fé, Bogotá: 24 h |
| 19)f | JG | 4975 | 60.30 | 1 | R. Internacionál, Cucuta |
| 20)e | FW | 5020 | 59.76 | 1 | Transm. Caldas, Manizales: 24 h |
| 21)d | IC | 5035 | 59.58 | 1 | La Voz de Caquetá, Florencia |
| 22)e | DW | 5050 | 59.41 | 1 | La Voz de Medellín, Medellín: 10.30-05.00 |
| 2)c | CW | †5060 | 59.29 | 25 | Acción Cult. Popular, Sutatenza |
| 2)c | GC | 5075 | 59.11 | 25 | Acción Cult. Popular, Sutatenza |
| 2)c | GG | 5095 | 58.88 | 50 | Acción Cult. Popular, Sutatenza |
| 23)f | CF | 5960 | 50.34 | 1 | La Voz de Bogotá, Bogotá: 24 h |
| 24)i | VN | 5970 | 50.25 | 5 | R. Horizónte, Bogotá: 10.00-05.00 |
| 25)f | LY | 5980 | 50.17 | 10 | La Voz del Rio Grande, Medellín: 24 h (irr.) |
| 26)b | HA | 5985 | 50.13 | 10 | Transm. de la Independéncia, Tunja: 11.00-19.00, 22.00-03.00 |
| 27)f | GR | 5995 | 50.04 | 1 | La Voz del Puéblo, Pereira: 12.00-04.00 |
| 28)f | FK | 6010 | 49.92 | 10 | La Voz Amíga, Pereira: 12.00-04.00 |
| 1)a | ZJ | †6030 | 49.75 | 1 | R. Nacionál, Bogotá |
| 29)f | CB | 6040 | 49.67 | 10 | La Voz del Tolima, Ibaqué |
| 30)e | EX | 6055 | 49.55 | 5 | R. Pacífico, Cali: 11.00-06.00 |
| 2)c | HV | 6075 | 49.38 | 10 | Acción Cult. Popular, Sutatenza |
| 31)h | DX | 6085 | 49.30 | 1 | Ecos del Pásto, Pásto |
| 32)d | IW | 6095 | 49.22 | 1 | La Voz del Céntro, Espinal |
| 33)d | NV | 6105 | 49.14 | 5 | R. Visión, Medellín: 24 h |
| 34)f | IQ | 6115 | 49.06 | 1 | La Voz del Lláno, Villavicéncio: 13.00-05.00 |
| 35)f | KE | 6125 | 48.98 | 1 | R. Continentál, Bogotá: 24 h |
| 36)f | NE | 6140 | 48.86 | 1 | R. El Sol, Cali: 24 h |
| 37)f | EQ | 6145 | 48.82 | 1 | La Voz del Cáuca, Popayan |
| 38)e | KJ | 6160 | 48.70 | 10 | Emis. N. Granáda, Bogotá: 11.00-05.00 |
| 39)d | DD | 6170 | 48.62 | 1 | R. Valledupár, Valledupár |
| 1)a | WT | 6180 | 48.54 | 50 | R. Nacionál, Bogotá |
| 40)f | EZ | 6195 | 48.43 | 1 | La Voz de Cali, Cali: 11.00-05.00 |
| 1)a | ZM | 9635 | 31.14 | 50 | R. Nacionál, Bogotá |
| 2)c | GQ | †9750 | 30.77 | 10 | Acción Cult. Popular, Sutatenza |
| 1)a | ZN | †11795 | 25.43 | 25 | R. Nacionál, Bogota |
| 1)a | ZO | †11825 | 25.37 | 25 | R. Nacionál, Bogota |
| 2)c | GZ | †11900 | 25.21 | 10 | Acción Cult. Popular, Sutatenza |
| 2)b | GL | †15235 | 19.69 | 10 | Acción Cult. Popular, Sutatenza |
| 1)a | ZP | †15335 | 19.56 | 25 | R. Nacionál, Bogota |
| 1)a | ZQ | †17865 | 16.80 | 25 | R. Nacionál, Bogota |
| 1)a | ZR | †21510 | 13.94 | 25 | R. Nacionál, Bogota |
| 1)a | ZS | †25750 | 11.65 | 25 | R. Nacionál, Bogota |

**NB:** Several channels are used irregularly and during special occasions only.

**Medium Waves:** Call: HJ - - -. °=Short Wave.

| | Call | kHz | kW | | Call | kHz | kW |
|---|---|---|---|---|---|---|---|
| 24)i | KA | °540 | 10 | 64)d | FN | 950 | 10 |
| 1)a | HF | 550 | 10 | 2)c | HN | 960 | 10 |
| 26)b | GS | °560 | 10 | 15)i | CI | °970 | 10 |
| 1)a | ND | °570 | 100 | 36)f | ES | °980 | 10 |
| 1)a | HG | 580 | 50 | 22)e | DB | °990 | 10 |
| 2)c | CR | 590 | 10 | 1)a | BU | 1000 | 100 |
| 41)i | HJ | 600 | 25 | 65)f | BN | 1010 | 10 |
| 38)e | KL | °610 | 25 | 66)d | CC | 1010 | 10 |
| 42)g | EL | 620 | 10 | 67)f | DQ | 1020 | 5 |
| 43)f | FD | 630 | 20 | 27)f | FQ | °1020 | 10 |
| 44)i | BJ | 640 | 10 | 68)f | DJ | 1030 | 5 |
| 45)f | JX | 650 | 10 | 30)e | ER | °1030 | 10 |
| 46)f | JM | 660 | 10 | 69)d | AI | 1040 | 5 |
| 47)g | NX | 670 | 10 | 70)i | CJ | 1040 | 5 |
| 48)e | AQ | 680 | 10 | 71)d | GX | 1040 | 1 |
| 49)d | CZ | 690 | 10 | 39)d | BB | °1050 | 2 |
| 5)h | FT | °710 | 10 | 72)i | DR | 1050 | 1 |
| 50)i | AN | 720 | 10 | 73)i | NC | 1050 | 1 |
| 51)g | CU | 730 | 10 | 74)f | NG | 1050 | 2.5 |
| 31)h | HB | °740 | 10 | 20)e | FJ | °1060 | 10 |
| 52)d | DK | 750 | 50 | 75)f | GU | 1060 | 1 |
| 53)e | AJ | 760 | 10 | 16)i | AH | °1070 | 10 |
| 54)f | KH | 770 | 30 | 18)i | CG | 1070 | 10 |
| 55)i | ZG | 780 | 30 | 76)d | DZ | 1070 | 10 |
| 56)d | DC | 790 | 10 | 77)f | AW | 1080 | 10 |
| 57)f | BW | 800 | 10 | 78)f | JB | 1080 | 10 |
| 2)c | CY | 810 | 10 | 79)d | BC | 1090 | 10 |
| 58)d | ED | 820 | 50 | 80)f | FM | 1090 | 10 |
| 33)d | DM | °830 | 10 | 81)d | IH | 1090 | 1 |
| 59)f | BI | 840 | 10 | 82)d | AT | 1100 | 1 |
| 60)d | KC | 850 | 50 | 83)d | CN | 1100 | 10 |
| 61)f | EP | 860 | 10 | 84)b | DI | 1110 | 9 |
| 29)f | LA | °870 | 10 | 85)d | EW | 1110 | 1 |
| 10)i | GE | °880 | 10 | 32)d | FZ | °1110 | 10 |
| 23)f | CE | °890 | 10 | 86)d | GH | 1120 | 5 |
| 40)f | EY | °900 | 10 | 87)c | KQ | 1120 | 10 |
| 25)f | DO | °910 | 25 | 88)f | JC | 1120 | 1 |
| 62)i | AE | 920 | 10 | 89)f | AC | 1130 | 10 |
| 35)f | CS | °930 | 10 | 90)i | CO | 1130 | 5 |
| 63)f | GB | 940 | 10 | 91)f | NH | 1130 | 5 |

# RSI Record Sourc

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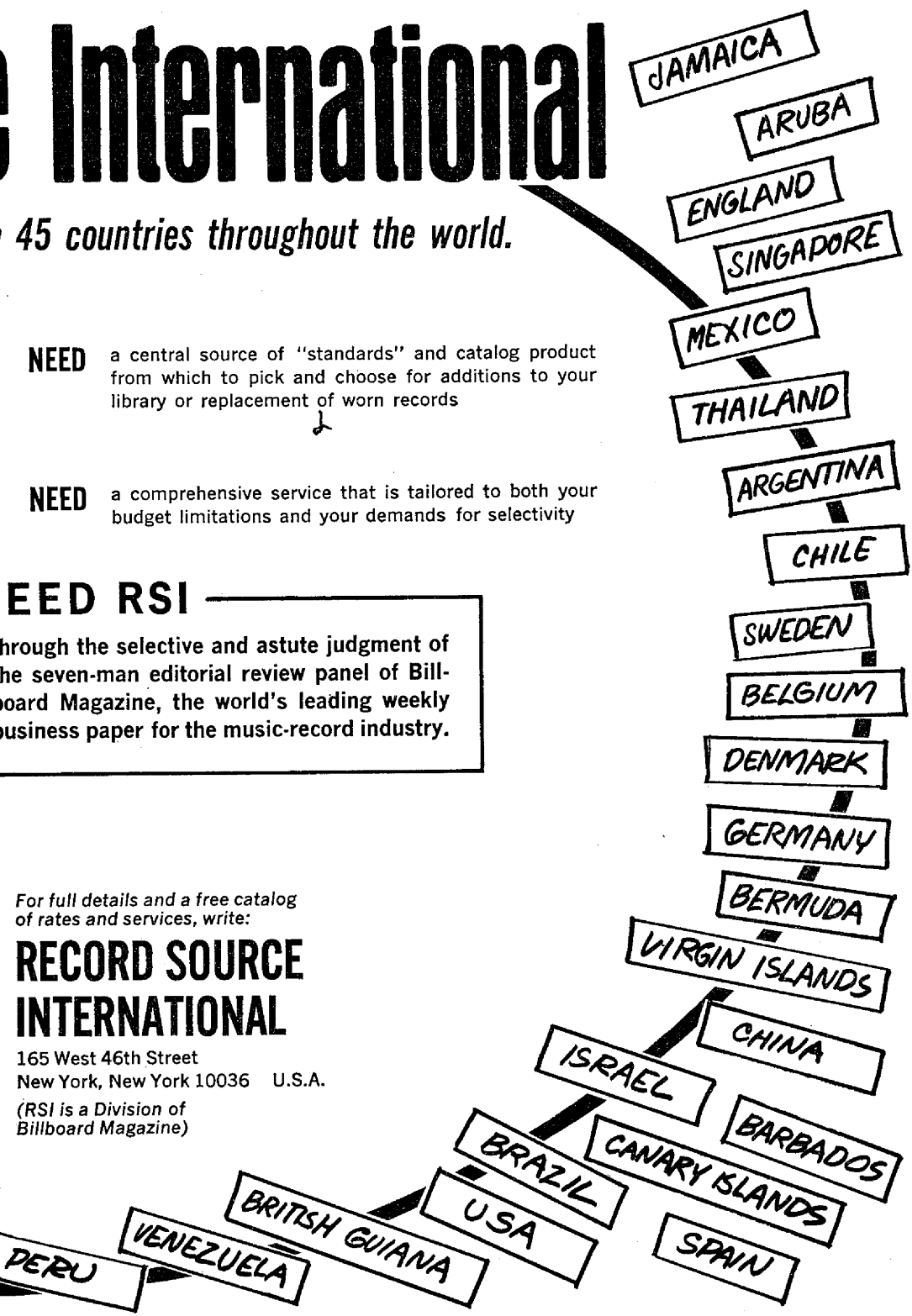


| | Call | kHz | kW |
|---|---|---|---|
| 92)f | DL | 1140 | 1 |
| 93)i | EV | 1140 | 1 |
| 94)f | NS | 1140 | 5 |
| 95)f | TR | 1140 | 2.5 |
| 96)n | BT | 1150 | 10 |
| 97)d | FI | 1150 | 1 |
| 2)c | GJ | 1150 | 10 |
| 98)i | AZ | 1160 | 5 |
| 99)f | BL | 1160 | 2.5 |
| 100)i | CK | 1160 | 10 |
| 101)b | ZV | 1160 | 5 |
| 17)f | DP | °1170 | 10 |
| 102)i | DT | 1170 | 1 |
| 103)f | JE | 1170 | 1 |
| 104)d | FX | 1180 | 1 |
| 105)e | GK | 1180 | 10 |
| 106)i | CT | 1190 | 5 |
| 107)f | CV | 1190 | 10 |
| 108)i | EO | 1190 | 1 |
| 34)f | BX | °1200 | 2 |
| 109)f | CD | 1200 | 1 |
| 110)i | IJ | 1200 | 1 |
| 111)h | NF | 1200 | 1 |
| 19)f | BE | °1210 | 1 |
| 28)f | FF | °1210 | 10 |
| 112)i | AV | 1220 | 10 |
| 113)d | FV | 1220 | 10 |
| 114)i | KR | 1220 | 1 |
| 115)b | NM | 1220 | 2.5 |
| 11)d | FP | °1230 | 10 |
| 116)i | IL | 1230 | 5 |
| 117)i | LK | 1230 | 1 |
| 6)e | FG | °1240 | 5 |
| 118)d | GN | 1240 | 5 |
| 9)i | JA | °1240 | 1 |
| 119)i | AO | 1250 | 1 |
| 120)i | CA | 1250 | 1 |
| 121)f | EM | 1250 | 1 |
| 122)d | HS | 1250 | 1 |
| 123)b | HZ | 1250 | 1 |
| 124)i | DA | 1260 | 1 |
| 125)d | DV | 1260 | 1 |
| 126)d | ET | 1260 | 2 |
| 127)f | HU | 1260 | 1 |
| 128)i | NO | 1260 | 1 |
| 129)d | KZ | 1270 | 1 |
| 130)d | TX | 1270 | 1 |
| 131)i | AR | 1270 | 1 |
| 132)i | EB | 1280 | 1 |
| 133)d | LR | 1280 | 1 |
| 134)i | KN | 1280 | 10 |
| 135)f | NQ | 1280 | 1 |
| 136)f | CM | 1290 | 1 |
| 137)i | EC | 1290 | 1 |
| 138)f | HI | 1290 | 1 |
| 13)d | IA | °1290 | 1 |
| 139)i | KY | 1290 | 1 |
| 140)h | TH | 1290 | 1 |
| 141)i | IR | 1300 | 1 |
| 142)f | LD | 1300 | 1 |
| 143)d | NB | 1300 | 1 |
| 144)f | OG | 1300 | 1 |
| 145)f | AK | 1310 | 1 |
| 146)d | DG | 1310 | 1 |
| 147)d | JZ | 1310 | 1 |
| 148)i | FR | 1320 | 1 |
| 149)i | HT | 1320 | 1 |
| 150)i | NK | 1320 | 1 |
| 151)i | TA | 1320 | 1 |
| 152)i | VT | 1320 | 1 |
| 153)i | AD | 1330 | 1 |
| 154)e | FE | 1330 | 5 |
| 155)i | MQ | 1330 | 1 |
| 156)i | BF | 1340 | 1 |
| 157)i | FA | 1340 | 1 |
| 158)i | FB | 1340 | 1 |
| 159)i | IIY | 1340 | 1 |
| 8)i | NA | °1340 | 1 |
| 160)i | DS | 1350 | 1 |
| 161)i | EN | 1350 | 1 |
| 162)f | FY | 1350 | 1 |
| 163)d | HW | 1350 | 2 |
| 164)i | IG | 1350 | 1 |
| 165)f | FH | 1360 | 1 |
| 166)d | GI | 1360 | 1 |
| 167)d | NI | 1360 | 1 |
| 168)h | BD | 1370 | 1 |
| 169)i | BO | 1370 | 1 |
| 37)f | EA | °1370 | 1 |
| 170)h | KX | 1370 | 1 |
| 171)i | EJ | 1380 | 1 |
| 172)d | LG | 1380 | 1 |
| 173)h | KD | 1380 | 1 |
| 174)i | NU | 1380 | 1 |
| 175)h | FO | 1390 | 1 |
| 176)f | NY | 1390 | 1 |
| 177)i | AS | 1400 | 1 |
| 178)i | BK | 1400 | 1 |
| 179)f | JJ | 1400 | 1 |
| 180)b | KM | 1400 | 0.25 |
| 181)i | TJ | 1400 | 1 |
| 182)i | BY | 1410 | 1 |
| 7)b | DU | °1410 | 0.5 |
| 183)d | EI | 1410 | 1 |
| 184)d | FS | 1410 | 1 |
| 185)i | HM | 1410 | 1 |
| 186)d | AP | 1420 | 1 |
| 187)d | HK | 1420 | 1 |
| 188)d | BH | 1430 | 1 |
| 189)f | BP | 1430 | 1 |
| 190)i | EG | 1430 | 1 |
| 4)i | KU | °1430 | 1 |
| 191)f | BZ | 1430 | 1 |
| 192)d | EK | 1440 | 1 |
| 193)i | FL | 1440 | 1 |
| 194)i | GM | 1440 | 1 |
| 21)h | IB | °1440 | 1 |
| 195)i | NZ | 1440 | 1 |
| 196)h | NL | 1450 | 1 |
| 197)h | TY | 1450 | 1 |
| 198)f | AL | 1460 | 1 |
| 199)i | BA | 1460 | 1 |
| 200)i | BQ | 1460 | 1 |
| 201)i | JW | 1460 | 1 |
| 202)i | ZU | 1460 | 1 |
| 203)f | IM | 1470 | 1 |
| 204)f | NT | 1470 | 1 |
| 205)i | BM | 1470 | 1 |
| 206)f | FC | 1480 | 1 |
| 207)i | TZ | 1480 | 1 |
| 208)i | DH | 1480 | 1 |
| 209)i | BS | 1490 | 1 |
| 2)c | EH | 1490 | 1 |
| 210)i | AY | 1490 | 1 |
| 211)i | CL | 1500 | 1 |
| 212)i | GA | 1500 | 1 |
| 213)i | LJ | 1500 | 1 |
| 214)h | TW | 1500 | 1 |
| 215)i | ZH | 1500 | 1 |
| 216)h | HX | 1510 | 1 |
| 217)i | ZA | 1510 | 1 |
| 218)f | LI | 1520 | 5 |
| 219)i | LQ | 1520 | 1 |
| 220)d | LS | 1520 | 1 |
| 221)b | DN | 1530 | 0.25 |
| 3)b | GD | °1530 | 0.35 |
| 222)d | JB | 1530 | 1 |
| 223)f | LE | 1530 | 1 |
| 225)b | ZF | 1540 | 0.25 |
| 226)i | HD | 1540 | 1 |
| 227)i | GY | 1550 | 1 |
| 228)f | LT | 1550 | 1 |
| 229)i | ZI | 1550 | 1 |
| 230)b | CP | 1560 | 1 |
| 2)c | GP | °1560 | 1 |
| 231)i | KG | 1560 | 1 |
| 232)i | LP | 1560 | 1 |
| 233)b | ZX | 1560 | 0.25 |
| 234)i | ZT | 1570 | 1 |
| 235)i | HE | 1570 | 1 |
| 236)d | LC | 1580 | 1 |
| 237)i | IP | 1590 | 1 |
| 238)f | JQ | 1590 | 1 |
| 239)h | JH | 1600 | 1 |

**Abbreviations:** Cl=Calle: Cr=Carrera.

1)a) **INSTITUTO NACIONAL DE RADIO Y TV (Gov. Net) — Addr:** Via del Acropuerto El Dorado, Bogotá; División Radio: Transv. 17, No. 65. **Te:** 446020. **L.P:** Dir. Gen: W. Fadúl. Dir. Tec: J. E. Nassar. **D.Prgr:** 11.35-04.25 (Sun 13.50-04.10). **Pub:** Monthly prgr. guide. **V.** by letter.

b) Cultural or non-comm. st's.

2) c) **ACCION CULTURAL POPULAR** (R. Sutaténza Comm. Net) — **Addr:** Aéreo 1770, Bogotá. **Te:** 420543. **Cable:** Radiofónicas. **L.P:** Dir. Gen: Mons. J. J. Salcédo G. Mgr: F. Sarmiénto O. Dir. Prgr: F. Gutiérrez R. Dir. Tec: P. Sánchez C. **D.Prgr: On 5095kHz:** W 10.20-14.00, 19.00-03.10; Sun 12.50-02.00. **On 1560kHz:** 10.20-14.00, 18.45-03.10. **N:** 12.00, 23.20, 01.00, 03.00. **On 5075/6075kHz:** 10.20-03.10. On 590kHz (Medellin): 10.30-05.00. On 810kHz (Bogotá): 10.45-04.00. On 1150kHz (Belencito): 10.45-03.10. On 1480kHz (Pasto): 11.00-04.00. **Ann:** "R. Sutatenza afiliada a la Confederación Latinoamericana para la Educación Fundamental Integral, transmite desde Sutatenza, en Boyacá República de Colombia". **V.** by QSL-card, Re. to Cr. 39A No. 15-11, Bogotá. **Pub:** Prgr. bulletin (monthly). **F.Pl:** 10kW st's in Barranquilla 690kHz, Cali.

d) **CARACOL — PRIMERA CADENA RADIAL COLOMBIANA (Comm. Net) — Addr:** Aéreo 9291, Bogotá. **Te:** 349580. **Cable:** Caracol. **L.P:** Pres: E. Bermúdez. Comm. Mgr: J. Alvarez B. **D.Prgr:** 11.00-05.00. **Ann:** "Transmite Caracol por sus emisoras . . . " or "Con ustedes . . . , sus emisoras Caracol en . . . ". R. Reloj: "Con ustedes Radio Reloj, otra emisora Caracol en Bogotá" (". . . Barranquilla . . ." or ". . . Cali . . ." etc).

e) **RCN — RADIOCADENA NACIONAL (Comm. Net) — Addr:** Aéreo 1244, Medellin. **Te:** 428640. **L.P:** Pres: R. J. Arango. Mgr: A. Jaramillo O. Bogotá: Cr. 15 No. 13-47. **Te:** 344805. **L.P:** Mgr: J. Suárez. Adm: J. Ortiz P. **D.Prgr:** DX Prgr ("El Mundo de la Radiodifusión"): Mon 03.00-03.30. **Ann:** "Transmite Radio Cadena Nacional por su emisora . . . RCN, el sistema radial más poderoso de Colombia".

f) **TODELAR — CIRCUITO TODELAR DE COLOMBIA (Comm. Net) — Addr:** Aéreo 4392, Cali. **Te:** 89386. **L.P:** Pres: B. Tobón de la Roche. Coord: A. Goicochéa L. Bogotá: Aéreo 8467. **Te:** 415036. **L.P:** Mgr: J. Tobón de la Roche. Comm. Mgr: J. Garcia C. **Ann:** "Somos Todelar, somos profesionales, somos . . . Gracias por su amable sintonia" or "Desde el radiocentro Todelar y su Circuito Nacional de emisoras les habla . . . Todelar se escucha en toda la nación".

g) **RST — RADIO SISTEMA TRICOLOR DE COLOMBIA (Comm. Net) — Addr:** Aéreo 7766, Bogotá. **Te:** 321463. **L.P:** Mgr: J. A. Vanegas R. Dir. Tec: J. Ríos.

h) **CRÍ — CADENA RADIAL INDEPENDIENTE (Comm. Net).**

3) Chiquinquirá. **L.P:** Dir: R. P. Dominicos.

4) Aéreo 160-29, Bogotá. **Te:** 478763. **L.P:** Dir. Gen: Rev. F. J. V. Echevérri S.J. Dir. Tec: I. Morales. Dir. Prgr: M. Palacio D. **D.Prgr: N:** E 16.45, 00.00; F 02.55. **Ann:** "La Voz de Maria, Emisora Kennedy, popular y para todos los gustos". **V.** by letter. Recordings accepted.

5) Cr. 3a No. 12-29, Ibaqué. **L.P:** Dir. Gen: J. Eugénio C. Dir. Tec: C. Estévez. **Ann:** "No amigo, no se muéva, esta es Ecos del Combéima, su emisóra de tódas las hóras". **V.** by letter.

6) Aéreo 556, Armenia. **Te:** 1800. **L.P:** L. Herrera C.

7) Cr. 43 No. 47-96, Medellin.

8) Aéreo 390, Pastro. **Te:** 1854. **Cable:** Radionariño. **L.P:** Mgr: C. Acosta.

9) Cl. 5, Cr. 2, Buenaventura.

10) Aéreo 572, Bucaramánga. **Te:** 5406. **L.P:** Dir. Gen: P. de Sorzáno. Dir. Tec: G. Sorzáno J. **D.Prgr: N:** 12.00, 17.00, 24.00. **Ann:** "Estas son las Emisóras de R. Bucaramánga, transmitiendo en sus freq's HJGF onda corta 4845kc, HJGE onda larga1030kc, y HKSO FM 96.5Mc, R. Bucaramánga, primera Emisóra del Oriénte Colombiáno". **V.** by QSL-card. Re. in Sp, E.

11) Cr. 5, No. 5-28, Néiva. **Te:** 3199. **Cable:** Radioneiva. **L.P:** Mgr: G. Hernández R. Dir. Tec: L. Cárlos C. **D.Prgr:** 23.00-02.00. **V.** by letter. Recordings accepted. **F.Pl:** 10kW. **FM** 92.1MHz.

12) Cr. 1 No. 1839, Cali. **Te:** 72730. **L.P:** Dir: R. Payáns. Dir. Tec: A. Restrepo.

13) Cl. 20 No. 21-62, Villavicéncio. **Te:** 2386. **L.P:** Mgr: J. Arcila M.

14) Villavicéncio.

15) Cr. 7, No. 11-35, Bogotá. **Te:** 421105. **L.P:** Mgr: A. Gaitán. **V.** by QSL-card.

16) Aéreo 174, Barranquilla. **L.P:** Mgr: M. A. Blanco.

17) Cl. 6 No. 459, Néiva. **Te:** 5280. **Cable:** Colosal. **L.P:** R. Navárro. **Ann:** "Esta es R. Colosál, la mas potente Radiodifusóra del sur de Colómbia, Colosál, un nómbre gránde pára una emisóra poderósa". **V.** by letter.

18) Aéreo 9339, Bogotá. **Te:** 417404. **Cable:** Radio Santafe. **L.P:** Mgr: A. Guzmán A. **D.Prgr:** 24 h. **Ann:** "Aquí y en tódas partes R. Santa Fé, 1070 y 4965kc, en Bogotá, Colómbia". **V.** by QSL-card and letter.

19) Aéreo 1300, Cúcuta. **Te:** 4390. **Cable:** Radiointernacional. **L.P:** Mgr: L. E. Mantilla S.

20) Aéreo 244, Manizales. **Te:** 27890. **Cable:** Transmisora. **L.P:** Mgr: I. Escobár U. Dir. Tec: E. Martinez. **D.Prgr: N:** On the h. **Ann:** "Esta es Transmisóra Cáldas de Manizales filiál del Sistéma RCN, Radio Cadéna Nacional". **FM:** 88.5MHz.

**Int-Sig:** Jingles. **V.** by letter. Recordings accepted.
21) Floréncia.
22) Aéreo 1244, Medellin. **Te:** 428640. **L.P:** Dir: G. Sarmiento G. Dir. Tec: G. Llano. **D.Prgr: N:** Every h on the h. **Ann:** "Transmite R. Cadena Nacional, par su emisora La Voz de Medellin". **V.** by letter. Recordings accepted.
23) Aéreo 13018, Bogotá. **Te:** 424923. **L.P:** Mgr: J. Tobón de la Roche.
24) Ave. Jiménez 540, Bogotá. **Te:** 439813. **L.P:** Mgr: J. Venegas N. **Ann:** "Esta es Horizónte la primera en su cuadránte". **V.** by letter.
25) Aéreo 1431, Medellin. **Te:** 437028. **Cable:** Vozrio. **L.P:** Dir. Gen: B. Tobón de la Roche. Mgr: J. Restrepo L. **Ann:** "Désde el R. Céntro Todelár y sus Circuito Nacionál de Emisóras transmite La Voz del Río Gránde HJDO 910kc onda larga, en Medellin, Colómbia". **V.** by letter. Recordings accepted.
26) Apt. Nacional 79, Tunja. **Te:** 2264. **L.P:** Dir: R. Cástro J.
27) Aéreo 244, Pereira. **Te:** 2396. **Cable:** Voz Púeblo. **L.P:** Mgr: J. Mejía D .**V.** by letter.
28) Aéreo 89, Pereira. **Te:** 8872. **L.P:** Mgr: R. Ilián B.
29) Aéreo 780, Ibaqué. **Te:** 30297. **Cable:** Voztolima. **L.P:** Mgr: N. Gonzálex. Adm: C. Rojas. **V.** by letter or QSL-card.
30) Aéreo 2180, Cali. **Te:** 74110. **L.P:** Mgr: J. Córdoba M. **V.** by QSL-card.
31) Aéreo 375, Pasto. **L.P:** Dir. Gen: J. Alvarez S. **Dir. Tec:** E. Gallardo G. **D.Prgr: N:** 11.30, 17.15, 00.00. **Ann:** "Ud escucha C.R.I. Cadena Radial Independiente y su estación en el Departamento de Nariño Ecos de Pasto HJHB 740kc onda larga 6085kc onda corta". **FM:** 99.7MHz. **V.** by letter.
32) Cr. 7 No. 8-58, El Espinal. **Te:** 240. **L.P:** Mgr: J. Pava Navárro. **Ann:** "Desde la ciudád de las acácias transmite La Voz del Céntro, la emisóra del Tolima y de Girardót".
33) Aéreo 3163, Medellin. **Te:** 419027. **Cable:** Radiovisión. **L.P:** Dir. Gen: E. Bermúdez R. Coord: J. Tobón de la Roche. **V.** by letter. Rp.
34) Aéreo 2075, Villavicéncio. **Te:** 2279. **L.P:** Mgr: B. Otero L. **D.Prgr:** DX Prgr. Sun 16.00-16.30. **Ann:** "Amigos nuéstros: Désde la cuidád de Villavicéncio, les hábla La Voz del Lláno en sus óndas larga y corta . . .". **V.** by letter.
35) Cr. 5 No. 1884, Bogotá. **Te:** 415036. **Cable:** Radiocontinental. **L.P:** Mgr: J. Tobón de la Roche. **D.Prgr:** 24 h. **V.** by letter.
36) Aéreo 1972, Cali. **Te:** 751230. **Cable:** Radiosol. **L.P:** Mgr: B. Tobón de la Roche. **V.** by letter.
37) Aéreo 535, Popayán. **Te:** 2371. **Cable:** VozCáuca. **L.P:** Mgr: L. Burkardt. Dir. Tec: O. Burkadt. **Ann:** "La Voz del Cauca, del Circuito Todelar de Colombia, 10 Moderno en radio". **V.** by letter.
38) Cr. 15 No. 1347, Bogotá. **Te:** 344805. **Cable:** Nuevagranada. **L.P:** Pres: D. R. Jairo A. Dir. Tec: H. Jimenez. **D.Prgr: N:** 12.00, 17.30, 02.30, 04.45. **Ann:** "Esta es R. Caděna Nacionál por su emisóra Nuéva Granáda de Bogotá, RCN, el sistéma radiál más poderóso de Colómbia, HJKL 610kc onda larga y HJKL 6160kc onda corta". **V.** by QSL-card. Re. in Sp, E. Recordings accepted. **FM:** 101.5MHz.
39) Cl. 9 No. 41-14, Valledupár. **Te:** 3178.
40) Apt. 1972, Cali. **Te:** 811350. **Cable:** Vozcali. **L.P:** B. Tobon de la Roche. Dir. Tec: L. C. Escobar. **D.Prgr:** DX Prgr. Mon 03.00-03.30 (repeat from Horizonte). **V.** by letter.

**Medium Waves:**
41) **R. Libertád,** Aéreo 2693, Barranquilla. **Te:** 26150. **Cable:** Radiolibertad. **L.P:** Mgr: N. Fayád Moisés. Adm: A. de Cástro. **D.Prgr:** 24 h. **Arabic:** Mon 01.00-02.00. **Ann:** "Esta es la modernísima R. Libertád, 600kc 25.000 wátios de poténcia, en Barranquilla, Colómbia, América del Sur". **V.** by letter. **F.Pl:** sw 49 or 60 m.
42) **R. Tricolór,** Av. 2 No 2758, Cali. **Te:** 63812. **L.P:** Mgr: J. A. Vanegas. **D.Prgr:** 24 h.
43) **R. Manizáles,** Aéreo 67, Manizáles. **Te:** 21395. **L.P:** Mgr: J. Zuluága. **V.** by letter.
44) **La Voz de Santa Marta,** Aéreo 540, Santa Marta. **Te:** 3561. **L.P:** Mgr: H. Cohen S.
45) **Emisóra Monserráte,** Aéreo 13018, Bogotá. **Te:** 348141. **L.P:** Mgr: J. Tobón de la Roche.
46) **R. Uno,** Aéreo 4392, Cali. **Te:** 881993. **Cable:** Radiouno. **L.P:** Mgr: A. Goicochea L. **D.Prgr:** 10.00-05.00. **V.** by letter.
47) **R. Tricolór,** Autopista Norte, Frente Feria del Ganado, Medellin. **Te:** 425445. **D.Prgr:** 24 h.
48) **R. Miramár,** Aéreo 246, Cartagena. **L.P:** Mgr: J. Mesa.
49) **La Voz de Colombia,** Aéreo 3855, Bogotá. **Te:** 422344. **L.P:** Pres: J. Ortiz M. **D.Prgr:** English Tues-Sun 03.00-04.00, Sun 14.00-15.00.
50) **Emisoras Unidas,** Aéreo 154, Barranquilla. **Te:** 10120. **Cable:** Emisunidas.
51) **R. Tricolór,** Aéreo 7766, Bogotá. **Te:** 321463. **D.Prgr:** 24 h. **Ann:** "Esta es Tricolór 730, tres gólpes certéros en sintonia".
52) **La Voz de Antióquia,** Aéreo 718, Medellin. **Te:** 450838. **L.P:** Mgr: A. Toro M.
53) **La Voz de Barranquilla,** Cl. 73 Cr. 41B, Barranquilla. **L.P:** Mgr: F. Vargas V.
54) **La Voz Amiga,** Cr. 8 No 17-33, Bogotá. **Te:** 348141. **L.P:** Mgr: J. Tobón de la Roche.
55) **R. El País,** Edif. Lloreda, Cali. **D.Prgr:** LL (English): Tues, Thurs, Sat 03.00-03.15 (repeated Tues, Thurs, Sat 13.30-13.45).
56) **R. Quince,** Aéreo 1864, Medellin.
57) **Emis. Atalaya,** Cl. 35 No. 2181, Bucaramánga. **Te:** 27513. **Cable:** Radioatalaya. **L.P:** Dir: G. Serráno F. **D.Prgr:** 11.00-03.00. **V.** by letter.
58) **La Voz del Río Cauca.** (See sw No. 12.)
59) **Ondas del Caribe,** Aéreo 757, Santa Marta. **Te:** 3274. **Cable:** Oncaribe. **L.P:** Mgr: A. Diaz G.
60) **Emisóra Nuévo Múndo,** Aéreo 9291, Bogotá. **Te:** 349580. **L.P:** St. Mgr: J. Alvarez B. Dir. Tec: M. Fric. **D.Prgr: N:** Every h on the h and 12.15, 18.15, 00.15. **Ann:** "Con Ustédes Emisóra Nuévo Múndo, sus emisóras Caracól en Bogotá". **V.** by QSL-card. Recordings accepted.
61) **Voces de Occidénte,** Cr. 14 No. 2-25, Buga. **Te:** 2355. **Cable:** Vozoccidente. **L.P:** Mgr: R. Antonio A.
62) **Emisoras Fuentes,** Aéreo 1771, Cartagena. **L.P:** Mgr: N. Fuentes M.
63) **R. Eco,** Aéreo 4392, Cali. **Te:** 811957. **Cable:** Radioeco. **L.P:** Mgr: J. Robero Cucalón.
64) **La Voz del Café,** Cl. 18 No. 847, Pereira. **Te:** 8941. **L.P:** Mgr: F. Maldonádo.
65) **Le Voz del Galeras,** Cr. 22, No. 1947, Pasto. **Te:** 2774. **Cable:** Vozgaleras. **L.P:** Mgr: T. Ville V.
66) **Emisóra Mil Véinte,** Aéreo 10556, Bogotá. **Te:** 437027.
67) **Emisóra Claridad,** Aéreo 2090, Medellin. **Te:** 81900. **Cable:** Emiclaridad. **L.P:** Mgr: S. Párra.
68) **La Voz de los Libertadóres,** Aéreo 1030, Duitama. **Te:** 2572. **L.P:** Mgr: C. Rodríguez.
69) **R. Quince,** Aéreo 397, Barranquilla. **L.P:** Mgr: E. Ariza.
70) **R. Melodía,** Aéreo 7766, Bogotá. **Te:** 444917. **L.P:** Mgr: J. A. Vanegas. **D.Prgr:** 12.00-05.00. **Ann:** "Esta es R. Medodía, la emisóra que mánda en sintonía".
71) **R. Progreso Córdoba,** Aéreo 4864, Lorica. **L.P:** Mgr: S. Hermanos.
72) **La Voz del Triúnfo, Cr.** 51 No. 5131, Medellin. **L.P:** Mgr: L. E. Ramirez.
73) **La Voz del Nevado,** Carretera Girardot kmt 3, Ibaqué.
74) **R. Palmira,** Aéreo 280, Palmira. **L.P:** Mgr: O. Burkhardt.
75) **R. Bucarica,** Cl. 35 No. 2181, Bucaramánga. **Te:** 27513. **L.P:** Mgr: G. Serráno.
76) **R. Relój,** Cl. 53 No. 4680, Medellin. **Te:** 450515. **L.P:** Mgr: H. Restrepo A. **D.Prgr:** 24 h.
77) **La Voz de Monteria,** Monteria. **Te:** 321. **L.P:** Mgr: G. Gómez P.
78) **R. Musical,** Cl. 11 No. 920, Cali. **Te:** 811300. **Cable:** Radiomusical. **L.P:** Mgr: B. Tobón de la Roche.
79) **La Voz de Cúcuta,** Av. 5 No. 832, Cúcuta. **Te:** 2035. **L.P:** Mgr: C. Pérez A.
80) **La Voz de Arménia,** Aéreo 617, Armenia. **Te:** 1488. **L.P:** Mgr: Miss M. Villegas.
81) **La Voz del Oriente,** Cr. 11 No. 1159, Sogamoso.
82) **R. Relój,** Cr. 43 No. 7214, Barranquilla. **Te:** 47911. **L.P:** Mgr: E. Valencia C. **D.Prgr:** 24 h.
83) **R. Relój,** Aéreo 9291, Bogotá. **Te:** 349580. **L.P:** Mgr: S. Ospina T. **D.Prgr:** 24 h.
84) **R. Bolivariána,** Aéreo 1178, Medellin. **L.P:** Mgr: R. Saldarriága A.
85) **R. Relój,** Cr. 1 No. 1839, Cali. **Te:** 87556. **L.P:** Mgr: R. Payán S. **D.Prgr:** 24 h.
86) **R. del Comercio,** Cr. 36, No. 2150, Bucaramánga. **Te:** 25418. **L.P:** Mgr: R. Pérez.
87) **R. Tunja,** Tunja. **Te:** 2909. **L.P:** Mgr: E. Rodríguez P.
88) **R. Cartágo,** Aéreo 2, Cartágo. **Te:** 2125. **L.P:** Mgr: A. Escobár M. **D.Prgr:** 24 h.
89) **Emis. Riomár,** Aéreo 2010, Barranquilla. **Te:** 43100. **L.P:** Mgr: L. Otálora G. **D.Prgr:** 11.00-05.00. **V.** by letter.
90) **Emis. Suramérica,** Transv. 6a, No. 2710, Bogotá. **Te:** 349867. **L.P:** Mgr: J. A. Vanégas. Dir. Tec: J. Rios. **D.Prgr:** 24 h. **Ann:** "Esta es R. Suramérica, la emisóra de su hogár".
91) **Ondas del Río,** Aéreo 503, Magangué. **Te:** 238. **Cable:** Onrio. **L.P:** Mgr: R. Cúre A. **V.** by letter.
92) **R. Cristal,** Av. Colombia 56c 11, Medellin. **Te:** 459902. **L.P:** Mgr: J. Restrepo.
93) La Voz del Valle, Cr. 6 No. 1271, Cali. **L.P:** Mgr: J. Giráldo S
94) **R. Guatapuri,** Aéreo 51, Valledupár. **L.P:** Mgr: J. M. Pinéda
95) **R. Girardót,** Cl. 14 No. 1119, Girardót. **Te:** 3377. **L.P:** Mgr C: Cifuéntes G.
96) **R. Catatúmbo,** Aéreo 19, Ocaña.
97) **Pregónes del Quindío,** Edif. Banco Cafetero, Armenia. **Te:** 1200 **L.P:** Mgr: L. Dávila M.
98) **R. Vigía,** Aéreo 148, Monteria.
99) **Ondas de la Ciénaga Grande,** Cr. 11, No. 1532, Ciénaga. **V.** by letter. Recordings accepted. **F.Pl:** 5kW.
100) **El Múndo en Bogotá,** Cr. 7, No. 1714, Bogotá, **Te:** 429022. **L.P:** Mgr: A. Castaño C. Dir. Prgr: G. Ruéda C. **D.Prgr:** LL (French): W 12.30. **Hebrew:** Sun 18.00–19.00. V. by letter & weekly prgr. sched.
101) **R. Las Lájas,** Ipiales. **D.Prgr:** 12.00–02.00

102) R. Nutibara, Cr. 50, No. 5275, Medellin. Te: 414765. L.P: Mgr: J. Garcia L.
103) Emis. Villa de Céspedes, Aéreo 126, Tuluá. Te: 2855. L.P: Mgr: E. Gómez H.
104) La Voz del Ruiz, Cr. 22, No. 2337, Manizales. Te: 2423. L.P: Mgr: G. Aristizábal E.
105) R. Santandér, Aéreo 1100, Bucaramanga. L.P: Mgr: N. Serráno. D.Prgr: DX-Prgr Mon 02.00–02.30 (repeat from R. Horizonte).
106) La Voz de la Costa, Av. 72, No. 5011, Barranquilla. Te: 42880. Cable: Vozcosta. L.P: Mgr: Sanmiguel. D.Prgr: 24 h.
107) R. Cordilléra, Aéreo 8467, Bogotá. Te: 415036. L.P: Mgr: J. Garcia C.
108) Ondas del Valle, Cr. 5, No. 1223, Cartago.
109) Emis. Nuéva Epoca, Cr. 6, No. 755, Fusagasugá. Te: 2018. L.P: Mgr: A. Usécheé R.
110) R. Colibri, Aéreo 4552, Medellin. D.Prgr: 11.00–06.00. F.Pl: 10kW.
111) R. 1200, Aéreo 6045, Cali. L.P: Mgr: H. E. Velasco A.
112) R. Cordobésa, Cl. 30 Cr. 34, Monteria. L.P: Mgr: J. A. Pérez. V. by letter.
113) La Voz del Litorál, Cl. 72, No. 4363, Barranquilla. Te: 41844. L.P: Mgr: Tabou L. V. by letter.
114) R. Juventúd, Cl. 12, No. 517, Bogotá. L.P: Mgr: A. Monroy G.
115) Emisóra Culturál Bolivar, Ipiales.
116) La Voz de las Américas, Edif. Bolivar 1850 No. 5140, Medellin.
117) R. Calidád, Aéreo 5400, Cali. L.P: Mgr: A. J. Ospina P.
118) R. Barránca Berméja, Edif. Sta. Fé, Barránca Berméja.
119) R. Vigia, Aéreo 154, Barranquilla. Te: 10120. D.Prgr: 24 h. V. by letter.
120) R. Modérna, Aéreo 12659, Bogotá. Te: 340293. Ann: "Esta es R. Modérna, canál 125, Bogotá".
121) La Voz de Corozal, Corozal. Te: 231. L.P: Mgr: N. Martélo.
122) R. Relój, Aéreo 519, Cucuta, D.Prgr: 24 h.
123) Emis. Mariána, Pasto.
124) Emis. Siglo XX, Cr. 51, No. 5953, Medellin. D.Prgr: 24 h.
125) R. Cacique, Cajamarca, Ibaque.
126) R. XV, Aéreo 4882, Cali.
127) R. Mórgan, Edif. Hotel Morgan, S. Andres Isla. L.P: Mgr: S. Duque.
128) R. Duitáma, Cl. 16, Cr. 16, Duitáma.
129) Onda Libre, Aéreo 520, Pereira.
130) R. XV, Aéreo 1337, Bucaramánga.
131) La Voz de Cartagéna, Aéreo 246, Cartagéna.
132) La Voz de Cienaga, Cienaga, Magd.
133) R. Pásto, Cr. 19, No. 1650 Ave. Las Americas, Pásto. Te: 2947. L.P: Mgr: A. González. Ann: "Esta es R. Pasto, la Emisora del Civismo en Nariño".
134) R. Metropolitána, Aéreo 7766, Bogotá. Te: 457073. D.Prgr: 24 h. Ann: "Esta es R. Metropolitána, la emisóra musicál por Excelência" or "La hóra exácta en Metropolitána. . .".
135) La Voz del Rio Suárez, Barbosa. L.P: Mgr: R. Fonséca.
136) R. Sur, Pitalito. L.P: Mgr: Fanny P. de Cástro. D.Prgr: 10.00–03.00. V. by letter or QSL-card. Recordings accepted.
137) R. Libertador, Cr. 3 No. 1580, Cali. L.P: Mgr: R. Angúlo.
138) La Voz de Garagóa, Garagóa, Boy. L.P: Mgr: H. Gámez R.
139) Ondas del Puerto, Cl. 15 No. 11A 54, Giradot.
140) R. Ritmos, Medellin.
141) R. Urabá, Edif. Banco Popular, Turbo.
142) Emisóra Rio S. Eugénio, Cr. 15, No. 1532, S. Rosa de Cabal. Te: 1044. L.P: Mgr: J. Hurtado C.
143) R. Relój, Aéreo 223, Bucaramánga. Te: 28088. L.P: Mgr: R. Pérez. D.Prgr: 24 h.
144) La Voz de las Antillas, Cl. Vicente Garcia 617, Cartagena. Te: 16277. L.P: Mgr: G. Tobón M.
145) La Voz de Patria, Aéreo 231, Barranquilla. L.P: Mgr: C. Vassállo. V. by letter.
146) Transm. Rio, Monteria.
147) R. Quince, Cl. 19 No. 848, Bogotá. Te: 418659. Ann: "Yo sóy jóven, muy jóven. Yó sóy Radio 15".
148) Ondas del Huila, Cl. 7, No. 324, Néiva. D.Prgr: 24 h.
149) R. Furaténa, Chiquinquirá.
150) R. Lúna, Palmira V.
151) La Voz de la Independéncia, Aéreo 4910, Medellin. L.P: Dir: C. Cardona V.
152) La Voz del Tocaréma, Girardot.
153) R. Vigia, Aéreo 1771, Cartagena. L.P: Gen. Mgr: G. Ortiz M. D.Prgr: 24 h.
154) La Voz de Peréira, Cr. 18, No. 854, Peréira (Reported on 1337kHz).
155) La Voz de Chicamócha, Apt. Aéreo 1402, Bucaramánga. L.P: Mgr: A. Vázquez P. V. by letter. Recordings accepted. F.Pl: 5kW. (Reported on 1346 kHz)
156) La Voz del Nórte, Cucuta. L.P: Mgr: A. Monroy G.
157) Cadéna Radiál del Caribe, Barranquilla.
158) R. Calidád, Cr. 42, No. 1394, Bogotá. Te: 479167. L.P: Dir: P. Ujuéta.
159) Transm. Súcre, Cl. Fco. Pórras 2037, Sincelejo.
160) La Voz del la Candelária, Autopista Norte, Frente Feria del Ganado, Medellin. Te: 50662. D.Prgr: 10.00–05.00.
161) R. Siderál, Aéreo 2146, Cali.
162) La Voz de Chapparál, Chapparál. L.P: Mgr: J. E. Gutiérrez.
163) Ecos del Rio, Puerto Boyacá.
164) Ondas del Meta, Villavicéncio (see also sw No. 14).
165) La Voz de Ansérma, Cr. 4 No. 545, Ansérma, L.P: Mgr: E. Giráldo A. D.Prgr: 11.00–04.00.
166) Emis. José A. Galán, Socorro. L.P: Mgr: M. Rójas V. D.Prgr: 10.00–03.00. V. by letter or QSL-card. Recordings accepted. (Reported on 1367kHz).
167) R. Sabána, Cl. 24, No. 1831, Sincelejo. Te: 2992. L.P: Mgr: N. Misérque A.
168) R. Guaimarál, Cl. 9, Av. 3, Cúcuta.
169) R. Pilóto, Aéreo 320, Barranquilla.
170) R. Mundiál, Aéreo 20333, Bogotá. Te: 321748. L.P: Dir: J. J. Molina R. D.Prgr: 24 h.
171) Armonias del Palmár, Cr. 29, No. 3290, Palmira. Te: 3344. L.P: Mgr: J. Bejarano D.
172) La Voz de la Dorada, Cr. 3, No. 255, La Dorada. Te: 7171. L.P: Mgr: A. Suárez.
173) Armonias del Sur, Aéreo 192, Neiva.
174) R. Sánta Bárbara, Aéreo 3854, Sánta Bárbara,
175) R. Luz, Aéreo 284, Manizales.
176) R. Pipatón, Edif. Gas. Hipinto, Barrancabermeja. Te: 2149.
177) R. Variedádes, Aéreo 403, Barranquilla.
178) La Voz de la Gran Colómbia, Edif. Banco del Comercio, Cúcuta. L.P: Dir: L. E. Mantilla S.
179) R. Ipiáles, Aéreo 23, Ipiáles. Te: 464. L.P: Mgr: E. Concha S.
180) Emis. Mariána, Cr. 7, No. 610, Bogotá. Te: 462712.
181) La Voz de la Cereté, Edif. Bargñel, Cereté. L.P: Dir. M. Gúzman.
182) Ondas del Orteguáza, Florencia.
183) Emis. Guadalajára, Cr. 13, No. 584, Buga.
184) Ondas del Guali, Aéreo 536, Honda. Te: 1440. L.P: Mgr: L. E. Tavéra.
185) La Voz de Calarcá, Aéreo 725, Calarcá.
186) R. Bahia, Aéreo 1771, Cartagena. Te: 13405. L.P: Mgr: E. Emiliani R.
187) R. Relój, Manizales. L.P: Mgr: W. Vargas G.
188) R. Magdalena, Aéreo 1240, Santa Marta. Te: 3300. L.P: Mgr: R. Morales.
189) R. Pamplóna, Cr. 7, No. 492, Pamplona. Te: 420. L.P: Mgr: L. Aldána H.
190) La Voz de Belalcázar, Cr. 5, No. 581, Popayán.
191) Ondas de Riohácha, Aéreo 3, Riohácha. L.P: Mgr: J. I. Vives E.
192) R. Tuluá, Aéreo 130, Tuluá.
193) Ondas de Ibagué, Edif. Ráad, Ibagué. L.P: Mgr: L. E. Martinez R.
194) R. Sogamóso, Cr. 11, No. 1005, Sogamóso. (Reported on 1445kHz).
195) Armonias del Ingrúma, Riosucio.
196) R. Sintonia, Villamaria, Caldas.
197) La Voz del Caráre, Vélez. L.P: Mgr: R. Corréa P.
198) R. Sinceléjo, Sinceléjo. Te: 2072. Cable: Radiosincelejo. L.P: Mgr: G. Gomez P.
199) La Voz de Pamplóna, Cl. 5, No. 693, Pamplóna.
200) R. Fundación, Fundación.
201) Nuévo Continénte, Cr. 7, No. 1327, Bogotá. L.P: Mgr. E. Páez E.
202) La Voz de Amistád, Aéreo 516, Pasto. Te: 2684.
203) R. Armonia, Av. del Estádio 44A 33, Medellin. Te: 437028. L.P: Mgr: J. Restrépo.
204) La Voz del Paraiso, Cl. 6, No. 1049, Cerrito V. Te: 444. L.P: Mgr: R. Gomez P.
205) La Voz de Honda, Honda.
206) R. Centinéla, Aéreo 221, Pereira. Te: 9901. L.P: Mgr: R. Illán B.
207) R. Palonégro, Lebrija. D.Prgr: 09.45–04.00.
208) R. Quibdó, Quibdó.
209) R. San Diego, Cl. 45A, No. 971, Bogotá. Te: 321748. L.P: Mgr: J. J. Molina R.
210) La Voz de la Cordialidád, Aéreo 2647, Barranquilla. L.P: Mgr: I. Turek
211) R. Garzón, Cl. 7, Cr. 7, Garzón.
212) R. Boyacá, Tunja.
213) R. Calima, Darien (Calima), Valle.
214) R. Sumapáz, Cr. 7, No. 529, Fusagasugá, Te: 2000.
215) La Voz Katia, Medellin.
216) La Voz Panamericána, Aérea 432, Bucaramánga. Te: 27315. L.P: Mgr: G. Ayala O.
217) R. Estrella, Aéreo 617, Armenia. L.P: Mgr: E. Campo Z.
218) R. Latina, Aéreo 11279, Bogotá. Te: 481620. L.P: Mgr: H. Florez. D.Prgr: Arabic: Tues, Thurs, Sat 01.00–01.30.
219) R. Minuto, Aéreo 219, Barranquilla. L.P: Mgr: L. Ortéga P. D.Prgr: 24h. Ann: "Radio Minuto da la hora. . .".
220) R. Popayán, Cr. 12, No. 427, Popayán. Te: 2409. L.P: Mgr: M. González M.
221) Liceo Departmentál, Sonson.
222) R. Sevilla, Cr. 50, No. 4211, Sevilla V.
223) R. Armero, Cl. 11, Cr. 15, Armero. Te: 211. L.P: Mgr: C. Cifuéntes m.
224) R. Canóa, Turbaco.

225) Emis. Mariána, Aéreo 159, Manizáles.
226) La Voz de la Petróleo, Barranca Bermeja.
227) R. Magangué, Aéreo 554, Magangué. L.P: Mgr: J. Ráad.
228) Ecos del Quilichão, Edif. Cuerpo de Bomberos, Santander.
229) R. Fantasia, Aéreo 14465, Bogotá. Te: 420101. L.P: Mgr: J. Semeráro. D.Prgr: English: 11.30–13.30, 17.00–19.00, 23.00–01.00. Ann: "This is R. Fantasia, 1550 on your dial, transmitting from the heart of Bogotá, Hotel Tequendama, in Bogotá, Colombia".
230) R. Parroquial, Nemocón.
231) R. Cundinamarca, Tocaima.
232) R. Espaciál, Tulua.
233) R. Copacabana, Cr. 30, No. 2963, Medellin.
234) R. Sensación, Cr. 21, No. 2149, Manizales.
235) Voces Rovirences, S. José de Miranda, Sant, Sur.
236) La Voz del Banco, Aéreo 89, El Banco.
237) La Voz de la Musica, Medillin.
238) R. Zarzál, Zarzál, Valle.
239) R. Ciudad Milagro, Edif. Santa Fé, Armenia. D.Prgr: 24h.

## ECUADOR

**L.T:** GMT—5 h — **Pr.L:** Spanish, Quechua.

**INSPECCION DE RADIO, Ministerio de Publicas, Dirección Tecnica. ADDR:** Benalcazar 698, Quito. **Te:** 11019. **Cable:** Radionacional — **L.P:** Dir. Gen: G. de la Torre.

**ASOCIACION ECUATORIANA DE RADIO DIFUSORAS**
**ADDR:** Apt. 289, Quito. **Te:** 10669. **Cable:** AER.
**STATIONS: Short Wave:** Call: HC- - -. *=inactive.

| | Call | kHz | m | kW | Name and h of tr. |
|---|---|---|---|---|---|
| 1) | EH3 | 2430 | 123.5 | 0.2 | R.El Progreso, Loja: 11.00-15.00, 17.00-20.00, 00.00-03.00 |
| 2) | RT6 | 2460 | 121.9 | 0.45 | R. Paz y Bien, Ambato: 10.30-19.00, 22.00-03.00 |
| 3) | VA4 | 2470 | 121.5 | 2 | La Estación de la Alegría, Esmeraldes: 12.00-04.00 |
| 4) | JX | 2470 | 121.5 | 1 | R. Cultural Religiosa, Baños: 10.30-03.00 |
| 5) | HW2 | 2490 | 120.5 | 0.45 | R. Rey, Quevedo: 14.00-19.00, 21.00-04.00 |
| 6) | RE1 | 3220 | 93.15 | 1.5 | R. Nac. Espejo, Sto. Domingo Cds: 23.00-03.00 |
| 7) | JH1 | 3240 | 92.59 | 0.2 | R. Turismo, Otavalo: 12.00-14.00, 17.00-19.00, 23.00-03.00 |
| 8) | LM5 | 3245 | 92.45 | 0.2 | R. 24 de Junio, Canár: 11.00-04.00 |
| 9) | MZ6 | 3265 | 91.87 | 0.2 | La Voz del Dorado, Pelileo: 11.30-15.00, 16.30-19.30, 23.30-03.00 |
| 10) | VU2 | 3275 | 91.60 | 0.2 | La Voz de Urdaneta, Ricuarte: 10.00-07.00 |
| 11) | HA2 | 3320 | 90.34 | 1.5 | Ondas Quevedañas, Quevedo: 23.00-03.00 |
| 12) | DR4 | 3355 | 89.42 | 0.2 | R. Miramar, Bahia: 11.00-04.00 |
| 13) | DY4 | 3378 | 88.81 | 0.25 | R. Iris, Esmeraldes: 11.00-05.00 |
| 14) | OT1 | 3390 | 88.50 | 1 | R. Zaracay, Sto. Domingo Cds: 10.00-03.00 |
| 15) | KD5 | 3515 | 85.35 | 0.2 | R. Centro de Gualaceo: 11.30-03.30 |
| 16) | YC4 | 3520 | 85.23 | 0.2 | R. Escueles Radiales, Lita: 11.00-04.00 |
| 17) | GS6 | 3615 | 86.00 | 0.4 | R. Pillaro: 11.30-19.00, 21.00-03.30 |
| 18) | OS4 | 3630 | 82.64 | 0.5 | La Voz del Rio Carrizal, Calceta: 11.00-04.30 |
| 19) | IE1 | 3695 | 80.95 | 0.5 | R. Cotacachi: 11.00-03.00 |
| 20) | BH6 | 3755 | 79.90 | 0.4 | R. Latacunga: 11.00-19.00, 22.00-04.00 |
| 21) | PZ1 | 3815 | 78.64 | 0.3 | R. Rumichaca, Tulcán: 11.45-14.30, 16.00-04.00 |
| 22) | WN1 | 3835 | 78.23 | 0.35 | La Voz del Triunfo, Sto. Domingo Cds: 23.00-03.00 |
| 23) | SN6 | 3975 | 75.47 | 0.6 | R. Sira, Ambato: 11.00-23.30, 01.00-04.00 |
| 24) | ER6 | 3985 | 75.28 | 1 | Escuelas Radiofonicas Populares, Riobamba: 13.30-15.00, 18.30-05.00 |
| 25) | JA5 | 3995 | 75.19 | 0.5 | La Voz del Rio Tarqui, Cuenca: 10.00-05.00 |
| 26) | AU2 | 4600 | 65.22 | 1 | R. Sistema Atalaya, Guayaquil: 11.00-05.00 |
| 27) | BK2 | 4750 | 63.16 | 0.25 | R. El Mundo, Guayaquil: 13.00-19.30, 21.45-04.00 |
| 28) | LJ6 | 4755 | 63.10 | 0.2 | La Voz de Bolivar, Guaranda: 19.00-22.00, 23.00-04.00 |
| 29) | MX4 | 4770 | 62.89 | 0.4 | R. Cenit, Portoviejo: 11.00-13.00, 15.00-04.55 |
| 1) | EH3 | 4735 | 63.35 | 0.2 | R. El Progreso, Loja: as 2430kHz |
| 30) | AK2 | 4765 | 62.95 | 1 | R. Difusora del Ecuador, Guayaquil: 10.45-05.00 |
| 31) | JF2 | 4770 | 62.89 | 1 | R. Guayaquil: 24 h |
| 32) | MQ1 | 4780 | 62.76 | 1 | R. Atahualpa, Quito: 10.45-04.35 |
| 33) | AS4 | 4795 | 62.57 | 2 | La Voz de los Caras, Bahia: 11.00-05.00 |
| 34) | SV5 | 4800 | 62.50 | 0.25 | R. Amazonas, Cuenca: 11.00-20.00, 23.00-04.00 |
| 35) | FA4 | 4810 | 62.37 | 0.3 | La Voz de Manabi, Portoviejo: 11.00-05.00 |
| 3) | VA4 | 4820 | 62.24 | 2 | La Estación de la Alegria, Esmeraldes: 12.00-04.00 |
| 36) | JS1 | 4830 | 62.10 | 0.5 | Ondas del Angel, El Angel: 15.30-19.00, 22.00-03.00 |
| 37) | AP4 | 4835 | 62.05 | | La Voz del Valle, Portoviejo: 11.00-13.00, 16.00-04.00 |
| 38) | RM3 | 4845 | 61.92 | 0.38 | R. Cultura Machala: 11.00-19.00, 00.00-05.00 |
| 39) | CV3 | 4850 | 61.86 | 0.25 | Ondas del Zamora, Loja: 11.00-03.00 |
| 40) | MA1 | 4855 | 61.79 | 0.35 | R. Marañon, Quito: 12.00-03.00 |
| 41) | CD1 | 4865 | 61.66 | 1 | R. Luz de América, Quito: 11.30-04.00 |
| 42) | GM7 | 4870 | 61.60 | 0.3 | R. Rio Amazonas, Macuma: 11.00-13.00, 23.00-01.00 |
| 43) | HE4 | 4875 | 61.54 | 5 | La Voz de Esmeraldes: 11.00-06.00 |
| 44) | WE1 | 4888 | 61.39 | 1 | R. Nac. Espejo, Quito: 24 h |
| 45) | VS6 | 4904 | 61.18 | 0.42 | La Voz de Saquisili: 12.00-17.30, 21.00-03.00 |
| 46) | MJ1 | 4910 | 61.10 | 5 | Emis. Gran Colombia, Quito: 11.00-06.00 |
| 47) | AH3 | 4916 | 61.03 | 0.3 | R. El Trebol, Zaruma: 23.00-03.00 |
| 48) | MP2 | 4920 | 60.98 | 0.2 | La Voz de la Peninsula, La Libertad: 23.00-03.00 |
| 49) | RQ1 | 4923 | 60.94 | 5 | R. Quito: 24 h |
| 50) | CR1 | 4930 | 60.85 | 10 | R. Casa de la Cultura, Quito: 11.30-13.00, 17.00-19.00, 00.00-03.15 |
| 51) | XZ1 | 4940 | 60.73 | 10 | R. Nacional del Ecuador, Quito: 11.00-15.00, 16.30-19.30, 22.30-05.00 |
| 52) | AV3 | 4950 | 60.60 | 2 | R. Ondas Lojanas: 11.00-14.00, 17.00-20.00, 00.00-03.00 |
| 53) | PH5 | 4960 | 60.48 | 1 | La Voz del Chofer, Riobamba: 12.00-04.00 |
| 54) | GH1 | 4970 | 60.35 | 3 | R. Tarqui, Quito: 10.45-04.00 |
| 55) | JC5 | 4980 | 60.24 | 0.3 | Ondas Azuayas, Cuenca: 10.45-05.00 |
| 56) | SJ1 | 4990 | 60.12 | 1 | R. Xavier, Quito: 11.00-15.00, 16.45-17.30, 22.00-03.00 |
| 57) | OB5 | 5025 | 59.70 | 0.2 | Ondas Azules, Cuenca: 11.30-04.00 |
| 58) | PS5 | 5030 | 59.64 | 0.5 | Ondas Cañaris, Azogues: 11.00-04.00, 15.45-19.00, 21.45-04.00 |
| 59) | VC3 | 5035 | 59.58 | 0.75 | R. Centinela del Sur, Loja: 11.00-03.00 |
| 60) | JP1 | 5050 | 59.41 | 1.2 | R. Jesus del Gran Poder, Quito: 11.00-14.00, 22.30-03.00 |
| 61) | RP1 | 5055 | 59.35 | 0.5 | R. Católica, Quito: 10.35-15.00, 17.00-18.00, 22.00-03.00 |
| 62) | DF1 | 5900 | 50.84 | | La Voz del Norte, Ibarra |
| 63) | CV5 | 5950 | 50.42 | 0.3 | La Voz de los Cuatro Rios, Cuenca: 11.30-04.00 |
| 64) | TR1 | 5955 | 50.39 | 0.75 | R. Equinoccial, Ibarra: 11.45-02.00 |
| 65) | GE5 | 5965 | 50.29 | 1 | R. Mundial, Riobamba: 12.00-14.00, 16.30-17.30, 23.30-04.00 |
| 66) | EB4 | 6015 | 49.88 | 0.5 | R. Manta: 12.00-14.00, 17.00-19.00, 23.00-04.50 |
| 67) | JB | 6050 | 49.50 | 30/50 | La Voz de los Andes, Quito |
| 68) | AC1 | 6060 | 49.50 | 0.75 | La Voz de la Democracia, Quito: 11.30-04.30 |
| 69) | IW5 | 6070 | 49.42 | 0.5 | R. El Mercurio, Cuenca: 11.00-05.00 |
| 70) | DG2 | 6080 | 49.34 | | R. Bolivar, Guayaquil: 12.00-05.00 |
| 71) | SP4 | 6100 | 49.18 | 1 | La Voz del Volante, Portoviejo: 11.00-05.00 |
| 67) | JB | 6130 | 48.94 | 30/50 | La Voz de los Andes, Quito |
| 72) | PJ2 | 6170 | 48.62 | 0.25 | R. Fluminense, Ricaurte: 23.00-03.00 |
| 73) | EH6 | 6195 | 48.43 | 1.5 | R. Cosmopolita, Ambato: 12.00-03.30 |
| 74) | NK3 | 6240 | 48.07 | 0.5 | R. Cariamanga: 11.00-15.00, 17.00-19.00, 23.00-04.00 |
| 75) | RM2 | 9550 | 31.41 | 5 | R. Universal, Guayaquil: 24 h |
| 67) | JB | 9645 | 31.10 | 30 | La Voz de los Andes, Quito |
| 67) | JB | 9745 | 30.78 | 1/30 | La Voz de los Andes, Quito |
| 67) | JB | *11770 | 25.49 | 30 | La Voz de los Andes, Quito |
| 67) | JB | 11910 | 25.19 | 30 | La Voz de los Andes, Quito |
| 67) | JB | 11915 | 25.18 | 30 | La Voz de los Andes, Quito |
| 67) | JB | 15110 | 19.85 | 50 | La Voz de los Andes, Quito |
| 67) | JB | 15115 | 19.86 | 1/30 | La Voz de los Andes, Quito |
| 67) | JB | 15325 | 19.58 | 30 | La Voz de los Andes, Quito |
| 67) | JB | 17880 | 16.78 | 30/50 | La Voz de los Andes, Quito |
| 67) | JB | 17890 | 16.77 | 30 | La Voz de los Andes, Quito |

# Ecuador

**Medium Wave:** Call: HC - - -. °=Short Wave.

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 76) FA2 | 540 | 0.7 | 116) AW2 | 975 | 20 | 162) MS1 | 1295 | 0.3 |
| 77) DG1 | 550 | 5 | 117) JI5 | 980 | 0.5 | 163) VM6 | 1295 | 0.2 |
| 78) RM2 | 560 | 10 | 54) GH1 | °990 | 3 | 164) DC2 | 1300 | 1 |
| 79) RM1 | 570 | 1 | 118) EW2 | 995 | 5 | 44) GB1 | °1310 | 0.4 |
| 80) SP1 | 595 | 0.2 | 119) RV5 | 1005 | 1.5 | 165) LP3 | 1315 | 0.25 |
| 81) RL6 | 600 | 0.5 | 120) RC4 | 1010 | 0.7 | 166) JD6 | 1320 | 1 |
| 82) RF3 | 625 | 0.3 | 121) RS6 | 1015 | 1 | 167) FR2 | 1325 | 0.2 |
| 51) XY1 | °640 | 10 | 122) LV1 | 1020 | 0.25 | 168) LW5 | 1330 | 0.45 |
| 82) FM2 | 665 | 0.45 | 123) TO5 | 1027 | 0.25 | 169) PX1 | 1335 | 0.3 |
| 56) SJ1 | °670 | 1 | 124) RR2 | 1030 | 1 | 170) OF4 | 1340 | 2 |
| 26) AU2 | °675 | 10 | 125) CW1 | 1040 | 0.7 | 2) PB6 | °1345 | 3 |
| 52) VP2 | °675 | 10 | 30) AJ2 | °1050 | 5 | 171) PV2 | 1350 | 0.3 |
| 83) WC1 | 680 | 0.2 | 126) AC6 | 1060 | 0.7 | 172) HA2 | 1370 | 0.25 |
| 84) RS2 | 695 | 1.5 | 7 127) RV3 | 1065 | 1.5 | 173) JR6 | 1375 | 1 |
| 67) JB1 | °700 | 30 | 128) VP1 | 1070 | 0.5 | 174) VM2 | 1375 | 0.5 |
| 37) AM4 | °715 | 1 | 129) GB6 | 1075 | 0.5 | 175) JN1 | 1385 | 0.5 |
| 85) AM4 | 715 | 1 | 130) FD2 | 1080 | 5 | 63) CV5 | °1390 | 0.3 |
| 86) IC1 | 720 | 0.4 | 131) MG1 | 1090 | 0.35 | 43) VE4 | °1395 | 1 |
| 31) MB2 | °730 | 1.5 | 132) RR6 | 1095 | 0.4 | 176) FL2 | 1400 | 0.2 |
| 87) SE4 | 735 | 0.25 | 133) EM4 | 1100 | 0.3 | 177) BS4 | 1400 | 0.3 |
| 88) BG1 | 740 | 1.5 | 134) RR5 | 1100 | 1.5 | 46) MJ1 | °1410 | 1 |
| 89) CT2 | 750 | 0.5 | 135) RP6 | 1105 | 0.5 | 178) CV6 | 1420 | 0.3 |
| 49) RQ1 | °760 | 5 | 136) EG1 | 1111 | 0.5 | 179) RM4 | 1420 | 0.2 |
| 90) MF2 | 770 | 1 | 137) LA2 | 1115 | 0.2 | 180) JC1 | 1420 | 0.2 |
| 91) RG4 | 780 | 0.3 | 42) GM7 | °1120 | 0.3 | 50) BX1 | °1430 | 0.2 |
| 92) AA1 | 785 | 0.2 | 138) AO5 | 1120 | 0.25 | 181) OV5 | 1440 | 2 |
| 93) PT5 | 790 | 0.3 | 139) PV6 | 1125 | 0.3 | 182) DF1 | 1440 | 0.6 |
| 70) DE2 | °800 | 10 | 140) RT1 | 1130 | 0.3 | 183) JN4 | 1440 | 0.25 |
| 94) FV1 | 805 | 0.5 | 141) FB2 | 1140 | 0.25 | 53) SC5 | °1445 | 0.2 |
| 95) VT2 | 810 | 0.2 | 142) RG1 | 1145 | 1.2 | 184) AQ2 | 1450 | 0.25 |
| 6) EE1 | °825 | 1.5 | 143) CZ5 | 1150 | 0.3 | 185) GM1 | 1460 | 0.25 |
| 96) GB2 | 825 | 0.35 | 144) VR3 | 1160 | 2 | 186) ET4 | 1465 | 0.2 |
| 41) CD1 | °835 | 1 | 145) UE6 | 1165 | 0.5 | 187) EC1 | 1470 | 0.36 |
| 97) ET6 | 845 | 0.8 | 146) VJ5 | 1170 | 0.25 | 188) EJ3 | 1475 | 0.22 |
| 98) AJ2 | 850 | 1 | 147) RH4 | 1170 | 1 | 189) JV4 | 1480 | 3 |
| 60) FF1 | °860 | 1.2 | 148) EA5 | 1175 | 0.4 | 36) MQ1 | °1490 | 1 |
| 99) OA7 | 865 | 0.4 | 149) LR1 | 1180 | 0.5 | 190) HG2 | 1495 | 2 |
| 100) NY2 | 870 | 5 | 150) BE2 | 1190 | 0.3 | 191) WN5 | 1496 | 0.4 |
| 61) RP1 | °880 | 0.5 | 151) CS1 | 1195 | 0.5 | 192) RO1 | 1500 | 1 |
| 101) LG3 | 885 | 0.2 | 69) RM5 | °1200 | 2 | 193) PC2 | 1510 | 0.5 |
| 102) TL5 | 890 | 0.5 | 152) RQ2 | 1205 | 0.3 | 194) VR1 | 1520 | 1.2 |
| 103) GC2 | 895 | 0.3 | 153) GU1 | 1210 | 0.4 | 10) VU2 | °1530 | 0.2 |
| 104) RJ1 | 900 | 1.2 | 154) SF5 | 1215 | 0.2 | 58) OC5 | °1530 | 0.21 |
| 57) EV5 | °900 | 3 | 27) BJ2 | °1220 | 0.25 | 195) MH6 | °1535 | 0.5 |
| 65) GR5 | °910 | 1 | 23) JM6 | °1225 | 0.6 | 19) IE1 | °1540 | 0.5 |
| 105) RU3 | 914 | 0.2 | 155) RI1 | 1230 | 0.22 | 18) OS4 | °1540 | 0.25 |
| 106) CM1 | 920 | 0.5 | 156) MV5 | 1235 | 0.2 | 196) DJ1 | 1545 | 0.3 |
| 107) VL2 | 925 | 1.5 | 157) LA5 | 1240 | 0.5 | 73) EJ6 | °1559 | 0.5 |
| 108) IM1 | 930 | 0.3 | 158) FA1 | 1245 | 1 | 197) TR3 | 1555 | 0.5 |
| 109) UE5 | 935 | 0.5 | 159) RB2 | 1250 | 1 | 198) CS2 | 1560 | 0.35 |
| 110) MT1 | 940 | 0.5 | 160) EM1 | 1255 | 0.2 | 199) VI5 | 1560 | 0.25 |
| 111) DE2 | 945 | 1 | 22) WN1 | °1260 | 0.35 | 40) AP1 | °1570 | 0.35 |
| 112) JM1 | 950 | 0.5 | 55) JE5 | °1265 | 0.25 | 200) AI6 | 1580 | 0.3 |
| 113) MC2 | 955 | 0.25 | 75) CB2 | °1270 | 0.25 | 201) RJ4 | 1580 | 0.2 |
| 114) NC1 | 960 | 0.4 | 68) AB1 | °1280 | 0.35 | 202) QI6 | 1595 | 0.3 |
| 14) OT1 | °965 | 0.2 | 161) VN4 | 1285 | 0.5 | 203) FM2 | 1600 | 0.4 |
| 115) MB1 | 970 | 0.35 | 25) JA5 | °1290 | 0.5 | | | |

**Short Waves:**

1) Barrio del Carretero Nte, Loja. **L.P:** Dir: E. Herrera G.

2) Cas. 94, Ambato. **Te:** 2120. **L.P:** Dir. Gen: P. H. Cerasuolo S. Dir. Tec: X. Alvarez. **D.Prgr: N:** 15.00, 03.00. **Ann:** "Radio Paz y Bien, la Voz Católica del Tungurahua". **V.** by letter.

3) Ca. Bolivar 831, Esmeraldas. **L.P:** Dir. Gen: J. C. Plaza. **V.** by letter.

4) Baños. **L.P:** Dir: R. Piñaherrera. **V.** by letter.

5) Ricaurte 271, Quevedo. **L.P:** Dir: E. Muñoz.

6) Plaza Central, Sto. Domingo de los Colorados. **Te:** 13477. **L.P:** G. V. Lippke. Dir. Tec: L. Rivera. **D.Prgr: N:** 12.30. **Ann:** "Estaciones de la R.N.E, eslabon de la Gran Cadena Radial, Amarillo, Azul y Rojo del Ecuador, R. Nac. Espejo de Sto. Domingo de los Colorados". **V.** by letter.

7) 31 de Octubre s/n, Otavolo. **L.P:** Dir: J. Vivar.

8) Cañar. **L.P:** Dir: L. Manrique.

9) Pelileo. **L.P:** Dir. Gen: F. Zuñiga V. Dir: L. J. Miranda F. Dir. Tec: N. G. Pico. **Ann:** "Radiodif. La Voz del Dorado, emisora al servicio de Pelileo la Provincia Ecuador en su frecuencia de 3265 banda internacional de los 92 Metros". **V.** by letter. Recordings accepted.

10) Ricaurte. **L.P:** Dir: C. Casal M.

11) 7 de Octubre 640, Quevedo. **Te:** 330. **L.P:** Dir. Gen: H. Alvarado P. Dir: D. Espinel de Alvarado. Dir. Tec: G. Bonilla y F. Simons. Dir. Prgr: R. Rey. **Ann:** "Esta es Ondas Quevedañas, La Principal emisora del Litoral Ecuatoriano, transmite desde la ciudad de Quevedo. Principal centro bananero del Ecuador, en Sudamérica, 1370kc onda larga 3320 onda corta banda de los 90 metros". **V.** by QSL-card. Recordings accepted.

12) Bahia. **L.P:** Dir: W. Delgado.

13) Cas. 142, Esmeraldas. **L.P:** Dir: D. Alvarez T. **V.** by letter.

14) Edif. Hualpa Alvarez, St. Domingo de los Colorados. **L.P:** Dir: H. Velastegui.

15) Parque 10 de Agosto, Gualaceo. **L.P:** Dir: H. Rodriguez.

16) Campamento Lita.

17) Urbina y Sucre, Pillaro. **L.P:** Dir: G. Salazar.

18) Ca. 10 de Agosto 308, Calceta. **L.P:** Dir: O. Velasques A. **V.** by letter.

19) 10 de Agosto s/n, Cotacachi. **L.P:** Dir: L. A. Paz.

20) Terminal de la Ca. Hnas, Pasmiño. **L.P:** B. Muños.

21) Cas. 42, Tulcán. **L.P:** Dir: E. Cabezas. Dir. Tec: A. Guerron. **D.Prgr:** N: 12.30, 17.30, 23.00, 02.15. **Ann:** "Escuchan R. Rumichacha desde Tulcán, Ecuador Cultural, Musical y Deportiva". **V.** by letter and QSL-card. Recordings accepted.

22) Sto. Domingo de los Colorados. **L.P:** Dir: M. M .Yanetz. **V.** by letter.

23) Mera 315, Ambato. **L.P:** Dir: J. Mancero.

24) Apt. 4755, Riobamba. **Te:** 2625. **L.P:** Dir. Gen: R. Velóz. Dir. Tec: G. Valesco. Dir. Prgr: J. E. Arellano. **D.Prgr:** N: 17.00, 23.00, 01.00. **Ann:** "Desde sus estudios en Riobamba, transmiten Escuelas Radiofonicas Populares una estación cultural por la dignificación de los campesinos del Ecuador, frecuencia 3985kc banda 75 metros". **V.** by letter. Recordings accepted.

25) Lamar y Montalvo, Cuenca. **L.P:** Dir: M. Pulla C.

26) Cas. 204, Guayaquil. **Te:** 12295. **L.P:** Dir: V. Paladines. **Ann:** "Sistema de Emisoras Atalaya, HC2VP Onda Larga, HC2AU Onda Corta, 95MHz FM". **V.** by letter.

27) 9 de Octubre 308, Guayaquil. **L.P:** Dir: G. Vergera J.

28) Garcia Moreno 28, Guaranda. **L.P:** Dir: J. Alarcon.

29) P.O. Box 4065, Sucre, Portoviejo. **L.P:** Dir: W. Delgado. **V.** by letter.

30) P.O. Box 4144, Guayaquil. **Cable:** CRE. **L.P:** Dir. Gen: R. Guerrero V. Dir. Tec: J. Magen. **D.Prgr: N:** every h on the h. **Ann:** "Transmiten HC2AJ 1050kc onda larga y HC2AK 4765kc onda corta, 91.5Mc FM estaciones de C.R.E. desde sus estudios en Guayaquil, Ecuador". **V.** by letter. Recordings accepted.

31) Cas. 5169, Guayaquil. **FM:** 97MHz.

32) Apt. 3213, Quito. **Te:** 12385. **Cable:** Rahualpa. **L.P:** Dir. Gen: G. Maldonado. Dir. Tec: L. Calderon. Dir. Foreign Rel: Miss L. Rivadeneira. **D.Prgr:** mw: 10.45-04.35. **N:** 11.00, 18.00, 19.00, 23.00, 01.00, 03.00 and every 30 min's from 11.00-04.30 (on all st's). **Ann:** "Les habla R. Atahualpa, emisora matriz del Circuito HCMQ, transmite en 1490kc, canal perferencial y 4780kc, canal nacional, desde Quito, capital del Ecuador". **V.** by letter.

33) Malecón 904, Bahia. **L.P:** Dir: A. E. Nevares.

34) Gabriel Ullauri 360, Cuenca. **L.P:** Dir: A. Vega.

35) Sucre 640, Portoviejo. **L.P:** Dir: C. Chavez C.

36) S. José de Chabayán s/n, El Angel. **L.P:** Dir: J. Salazar.

37) Cordova ent. Ricaurte y Chile, Portoviejo.

38) 9 de Mayo, Machala.

39) 24 de Mayo, Loja. L.P: Dir: C. Valarezo.

40) Venezuela 872, Quito. **L.P:** Dir: A. Placencia.

41) Apt. 3190, Quito. **Te:** 16717. **L.P:** Dir: M. Sarmiento. Dir. Tec: M. Castro. **D.Prgr: N:** 02.00. **Ann:** "R. Dif. Luz de América, desde Quito Ecuador, pais Amazónico 835kc banda local, 4865kc banda internacional de los 60 metros, 100Mc FM". **V.** by letter.

42) Macuma. **L.P:** Dir: G. Molina.

43) Cas. 108, Esmeraldes. **Te:** 1106. **L.P:** Dir. Gen: H. A. Endara E. Dir. Tec: Ing. Horvath. **D.Prgr: N:** 12.00, 17.00, 00.30. **Ann:** "La Voz de Esmeraldas, La Voz del Pueblo, una emisora para la gente moderna y de buen gusto como Vd". **V.** by letter. Recordings accepted.

44) Esmeraldes 865, Quito. **Ann:** "R. Nacional Espejo la primera y mas potente emisora del país". **V.** by QSL-card.

45) Borrero 7, Szguisili. **L.P:** Dir: A. Corrales.

46) Cas. 2246, Quito. **Te:** 11670. **Cable:** Emigrancolombia. **L.P:** Dir. Gen: E. Cevallos. Dir. Tec: F. Simon. **D.Prgr: N:** 11.10, 13.00, 23.00. **Ann:** "Emisoras Gran Colombia, Voz de Ecuador es la emisora más popular". **V.** by letter. Recordings accepted. **F.Pl:** 10kW+TV st.

47) Club Deportivo Trebol, 26 de Noviembre, Zarumba. **V.** by letter.

48) La Libertad. **L.P:** Dir: M. Pinargote.

49) Apt. 57, Quito. **Te:** 10151. **L.P:** Dir. Gen: C. Mantilla. Dir. Tec: A. Horvath. Dir. Prgr: E. Brito. **D.Prgr:** mw: 11.00-05.00. **N:** 12.00, 13.15 and every h on the h from 17.00. **Ann:** "R. Quito, La Voz de la Capital, 760kc onda larga, 4923kc banda de 60m ondas cortas, desde Quito, Ecuador en la mitad del mundo". **V.** by QSL-card and pennant. Recordings accepted.

50) Apt. 67, Quito. **Te:** 31123. **L.P:** Pres: Dr. B. Carrion. **D.Prgr: N:** 11.45. 03.00. **Ann:** "Esta es R. Difusora de la Casa de la Cultura Ecuatoriana, que transmite desde sus estudios en la ciudad de Quito". **V.** by letter. Re. in Sp. **Pub:** Prgr. schedule on request.

51) P.O. Box 1316, Quito. **Te:** 216998. **L.P:** Pres. & Dir. Gen: Dr. H. Donose V. Dir. Tec: F. Mejia C. Dir. Prgr: A. Carrera P. **D.Prgr:** mw: 11.00-19.30, 23.00-05.00. **N:** 12.00, 18.00, 03.00.

**For Tourists:** 04.00. **Ann:** "En transmisión Radiodif. Nacional del Ecuador, Voz oficial del estado Ecuatoriano 640kc onda nacional, 4940kc onda internacional, desde Quito, Ecuador, en la mitad del mundo". **Int-Sig:** Vibraphone. **V.** by letter. Recordings accepted. **F.Pl:** 100kW (Quito).

52) Loja. **L.P:** Dir: J. Armijos V. **V.** by letter.

53) Tarqui 58, Riobamba.

54) Cas. 2558, Quito. **Te:** 11540. **Cable:** Ratar. **L.P:** Dir: G. Herdoiza. **V.** by letter.

55) Cas. 4980, Cuenca. **Te:** 3911. **L.P:** Dir: A. Cardozo. Dir. Tec: O. Espinoza. **D.Prgr: N:** 11.00, 13.30. **Ann:** "Ondas Azuayas, las estaciones de radio muy moderna y potente del sur del país y la primera en el sur Ecuatoriano". **V.** by letter. Recordings accepted.

56) Benalcazar 478, Quito. **L.P:** Dir: J. Urarte.

57) I. Ordoñez y Galo de las Peñas, Cuenca. **L.P:** Dir: F. Coronel.

58) 3 de Noviembre y Rivera, Azoguez. **L.P:** St. Mgr: C. H. Vicuña. Dir. Tec: La Vazquez. **D.Prgr: N:** 11.30, 02.00, 03.00. **Ann:** "Ondas Cañaris en sus dos frecuencias". **V.** by letter. Recordings accepted.

59) Correos 196, Loja. **Te:** 211. **L.P: Dir:** F. Coronel.

60) Convento de S. Francisco, Quito. **L.P:** Dir: F. Fernandez.

61) Ca. Imbabura 1223, Quito. **Te:** 10208. **L.P:** Dir: Dr. M. A. Rojas. Dir. Tec: L. Calderon.

62) Ibarra

63) Gran Colombia 378, Cuenca. **L.P:** Dir: D. Pinos.

64) Velasco 333, Ibarra. **L.P:** Dir: D. de Teran.

65) Apt. 1244, Riobamba. **Te:** 2101. **L.P:** Dir. Gen: G. Encalada R. Dir. Tec: G. Encalada G. Dir. Foreign Rel: P. Narvaez M. **D.Prgr: N:** 12.00, 14.00, 17.00, 02.30. **Ann:** "En Transmisión R. Mundial 910kc Onda Larga, 5965kc Onda Corta — La señal comercial más potente y poderosa del centro del país. R. Mundial la unica emisora de Riobamba que se eschucha nitidamente en todo al Ecuador". **V.** by QSL-card. Re. in Sp, E. Recordings accepted.

66) Apt. 4869, Manta. **L.P:** Dir: E. Bowen. **D.Prgr: N:** 12.30, 17.00, 23.00. **Ann:** "Transmite R. Manta, con sus estaciones . . . la mas antigua y potente emisora del puerto, desde Manta, Ciudad de turismo y primer puerto maritimo en la Provincia de Manabi". **V.** by QSL-card or letter.

67) **LA VOZ DE LOS ANDES (HCJB)**
**ADDR:** Casilla 691, Quito. **Cable:** Vozandes (USA Office: Voice of the Andes, Box 691, Miami, Florida 33147). **L.P:** Pres: A. Van Der Puy; Assoc. Radio Dir: D. R. Findlay. Dir. Sp. Sce: E. Romero. Dir. Eng. Sce: J. Roberson. Engineering Dir: F. Woodburn.
**HOME SCE. in Spanish:** D 11.00-04.00.
11.00-14.00 on 700/6050/9745/11915/15115kHz; 14.00-00.30 on 700/6050/9745kHz; 00.30-02.00 on 700/6050/9745/11915/15115 kHz; 02.00-04.00 on 700/6050kHz — **N: W** 11.20, 12.30, 13.30, 14.30 (exc. Sat), 15.30, 16.30, 17.45, 19.30, 20.30, 21.30, 22.30, 01.30, 02.30, 03.55. Sun 11.20, 13.30, 17.50, 01.30, 02.30, 03.55.

**INTERNATIONAL SERVICE**
I=Europe; II=So. Pacific; III=Japan; IV=So. Pacific/Siberia; V=Ea.Carribean; VI=So. America; VII=Americas; VIII=Jamaica; IX=Brazil.

| English | Area | kHz and Beams |
|---|---|---|
| *07.00-10.00 | II | 6050(228°), 9745(220°), 11915(220°) |
| *07.00-09.30 | I | 15325(40°) |
| **14.00-15.00 a | VII | 15115(345°), 17890(345°) |
| **14.00-15.30 b | | |
| **14.00-16.00 c | VIII | |
| **14.00-16.30 d | | |
| *18.45-20.00 | I/V | 15325(40°), 17880(40°) |
| *21.00-21.30 | I | 15325(40°), 17880(40°) |
| **23.20-24.00 | I/V/VII | 15115(40°), 17890(345°) |
| †02.00-04.30 | VII | 9745 (165°/345°), 11915(345°), 15115(345°) |
| **French** | | |
| 10.00-10.30 | V | 6050(32°) |
| 18.30-18.45 | I | 15325(40°), 17880(40°) |
| **German** | | |
| 06.00-06.30 | I | 6130(32°), 9645(40°), 11910(40°), 15325(40°) |
| 20.00-20.30 | I | 15325(40°), 17880(40°) |
| 23.00-23.30 | IX | 15110(140°), 17890(345°) |
| **Japanese** | | |
| 10.00-10.30 | III | 9745(165°/345°), 11915(345°) |
| 22.00-22.30 | IX | 15110(140°), 17890(140°) |
| **Portuguese** | | |
| 00.00-00.30 | IX | 15115(140°), 17890(140°) |
| **Quecha** | | |
| 10.30-11.00 | VI | 700(nd), 6050(180°) |
| 16.30-17.00 (Sat) | VII | 11915(345°), 15115(140°) |
| **Russian** | | |
| 04.30-05.30 | I | 6130(32°), 9645(40°), 11910(40°), 15325(40°) |
| 10.30-11.00 | IV | 9745(165°/345°), 11915(345°) |

A portion of HCJB facility with Mt. Cotapaxi in the background.

**PROGRAMMING AROUND THE CLOCK AND AROUND THE WORLD.**
**9 LANGUAGE DIVISIONS,**
**12 LANGUAGES:**
**Danish, English, French, German, Japanese, Norwegian, Polish, Portuguese, Quechua, Russian, Spanish, Swedish**

- Medium Wave, TV, Shortwave
- Responses from more than 118 Countries
- Transmitting on 16, 19, 25, 31, 49 meter bands
- TV Programming Daily in Spanish

FOR COMPLETE BROADCAST SCHEDULE, write P.O. 691, Quito, Ecuador

**HCJB — The VOICE of the Andes**
**HCJB TV — The WINDOW of the Andes**

# Ecuador

| Russian | Area | kHz and Beams |
|---|---|---|
| 16.00-17.00 (Sun) | I/VI | 15115(140°), 17890(40°) |
| 22.30-23.00 | VII | 15110(140°), 17890(345°) |
| **Scandinavian** | | |
| 05.30-06.00 | 1 | 6130(32°), 9645(40°), 11910(40°), 15325(40°) |
| 09.30-10.00 | 1 | 15325(40°) |
| 20.30-21.00 | 1 | 15325(40°), 17880(40°) |
| **Spanish** | | |
| 06.30-06.55 | 1 | 6130(45°), 9645(40°), 11910(40°), 15325(40°) |
| 11.00-04.00 | VII | 700(nd), 6050(180°) |
| 11.00-14.00 | VII | 9745(165°/345°), 11915(345°), 15115(140°) |
| 14.00-02.00 | VI | 700(nd), 6050(180°), 9745(165°/345°) |
| 17.00-18.00 | VI | 11915(140°), 15115(345°) (Sat & Sun only) |
| 21.30-22.00 | I | 15325(40°), 17880(40°) |
| 00.30-02.00 | VI | 700(180°), 6050(180°), 9745(165°/345°), 11915(140°), 15115(345°) |

*) "Southern Cross Salute"; **) "Morning in the Mountains"; •) "Quito Calling"; °°) "Carribean Call"; †) "Ecuadorian Echoes".

**NEWS: English:** 14.02, 23.32, 02.00 (W exc. Fri); **Swedish:** Thurs 18.02, 20.32, Fri 05.32; **Japanese:** 22.02; **Spanish:** see Home Sce.

**DX-Party Line:** 1st and 3rd Mon. of the month 02.30 (to the Americas), 1st and 3rd Wed. of the month 09.30 (to So. Pacific) **Mbg** (English): Wed 03.30, Thurs 09.30 (to Australia/New Zealand) — **Time Sig:** Automatically on h and half h. Three short tones followed by a long tone at the exact minute.

**ANN:** E: "This is radio station HCJB located near the line of the equator with studios in the capital city of Quito in the republic of Ecuador. We are serving our internat. audience on the 19, 25 and 31 m.b. The time in Quito is... the same as... GMT. This is R. St. HCJB, Quito, Ecuador, So .America" — **V:** listeners reports are wanted, these are studied by our engineers. If requested they are answered by QSL-card, in other by letter — **PUB:** Int. prgr: sched. free on request. "Call of the Andes" magazine free to those requesting it from: HCJB, Box 691, Miami, Fla. 33147, USA. Sched. of Spanish prgr's on request from Casilla 691, Quito.

Operated by the missionary org: The World Radio Missionary Fellowship Inc. No comm. adv; Public sce. and ann. of cultural activities accepted free of charge — **FI:** Supported by voluntary gifts from evangelical Christian groups and "share-the-cost" plan.

68) Apt. 288, Quito. **L.P:** Dir: E. Cevallos.
69) Padre Aguirre 757, Cuenca. **L.P:** Dir: M. Merchan.
70) Km13 via Daule, Guayaquil.
71) Morales 543 y Colón, Portovielo.
72) Ricaurte. **L.P:** Dir. Gen: J. Pazos S. Mgr: W. Jácome C. Dir. Tec: A. Buhbano, G. Bravo N. **D.Prgr: N:** 11.30, 17.30, 20.00, 23.00, 04.00. **V.** by letter. **Re.** in Sp.
73) Bolivar 1807, Ambato. **V.** by letter.
74) Cariamanga. **L.P:** Dir: L. Cabezas J.
75) Cas. 5177, Guayaquil. **L.P:** Dir: O. Arraba E. **FM:** 90MHz. **V.** by QSL-card & letter.

**Medium Waves:**

76) **Ecuatoriana de Guayaquil,** Via Daule, Guayaquil: 11.00-06.00
77) **R. Ecuatoriana,** Apt. 2832, Quito: 10.45-05.00
78) **R. Mambo,** Guayaquil: 11.00-05.00
79) **R. Musical,** Cas. A 57, Quito: 24 h
80) **R. Minutera,** Flores 846, Quito: 11.00-05.00
81) **R. Libertador,** Borrero 7, Saquisili: 12.00-18.00, 18.30-03.00
82) **R. Fenix,** P.O. Box 23, Zaruma: 12.00-14.30, 17.00-19.00, 23.30-03.30
83) **R. Cristóbal Colón,** Pinampiro: 12.00-16.00, 00.00-03.00
84) **R. Sucre,** Via Daule, Guayaquil: 12.00-04.00
85) **La Voz de Portoviejo,** Portoviejo.
86) **R. Municipal,** Garcia Moreno y Espejo, Quito: 17.00-19.00, 21.00-04.00
87) **R. Libertad,** Atahualpa 222, Chone: 24 h
88) **R. Sport,** Esmeraldas 865, Quito: 11.00-06.00
89) **R. Centenario,** 1 de Mayo 104, Guayaquil: 11.00-03.00
90) **R. La Prensa,** Boyaca y 9 de Octubre, Guayaquil: 11.00-03.00
91) **R. Umina,** Carchi ent. G. Moreno y Espejo, Manta: 10.30-04.00
92) **R. Noticia,** Oriente 337, Quito: 17.00-20.00, 00.00-04.00
93) **La Voz del Perpetuo Socorro,** Apt. 63, Cuenca: 12.00-04.00
94) **R. Canal Tropical,** Cas. 57 A, Quito: 11.00-04.00
95) **R. Atalaya,** El Milagro: 23.00-03.00
96) **R. Espejo,** Guayaquil
97) **R. Tricolor,** Edif. Cronica, Ambato: 10.45-03.00
98) **La Voz del Santisimo,** J. Pio Montafur 1007, Guayaquil: 11.00-13.30, 23.30-03.00.
99) **R. 12 de Febrero,** 9 de Octubre, Puyo: 11.00-14.000, 16.00-19.00, 22.00-03.00
100) **R. Cristal,** Machala 1212, Guayaquil: 24 h
101) **Ondas Azules,** Sucre ent. Bloy Alfaro, Santa Rosa: 14.00-17.00, 20.00-20.30, 02.00-04.30
102) **Ondas Chimborazo,** Pichinga 128, Riobamba: 11.00-05.00
103) **La Voz del Rio Guayas,** Boyaca 1319, Guayaquil: 14.00-04.00
104) **R. Gemas,** Venezuela 712, Quito: 10.50-05.05
105) **Ondas Orenses,** Rocafuerte y Paéz, Machala: 13.00-03.30
106) **R. Colón,** Quito: 16.00-20.00
107) **R. Liberal,** Cas. 5169, Guayaquil: 24 h
108) **La Voz Imbabura,** Palacio Municipal, Ibarra: 12.00-19.00, 20.00-06.00
109) **Union Evangélica Misionera,** Caserio Majipamba Colta: 11.00-00.00
110) **R. Cronos,** Chile 1336, Quito: 11.00-03.00
111) **R. Ifesa,** Rumicacha y Culicuchima, Guayaquil: 13.30-04.00
112) **R. Un Mundo Mejor,** Convento Parroquial, Atuntaqui: 14.00-17.30, 23.00-02.30
113) **La Voz de Los Rios,** Barona 709, Babahoyo: 23.00-03.00
114) **R. Cosmopolita,** Ambato 902, Quito: 13.00-03.00
115) **R. Continente,** Oviedo 543, Ibarra: 11.30-20.00, 22.00-04.00
116) **Ondas del Pacifico,** Clemente Ballen 652, Guayaquil: 11.30-05.00
117) **R. El Prado,** New York s/n, Riobamba: 11.00-04.30
118) **R. Suceso,** P.O. Box 1009, Guayaquil: 12.00-04.00
119) **R. Visión,** 12 de Abril 1891, Cuenca: 11.45-04.00
120) **R. Cenit,** P. Solano e Imbabura, Manta: 11.00-04.00
121) **R. Surcos,** Palacio Espiscopal, Guaranda: 17.00-19.00, 22.00-04.00
122) **R. Capitol,** Guayaquil y Bolivar, Edif. Rojas, Quito: 11.00-05.00
123) **La Voz de Pueblo,** Ayacucho 4, Riobamba: 13.00-04.00
124) **R. Rocafuerte,** Via Daule, Guayaquil: 12.00-04.00
125) **La Voz de Valle,** Garcia Moreno 534, Machachi: 11.30-18.30, 22.00-03.30
126) **Ecos del Pueblo,** Plaza Principal, Saquisili: 12.00-19.30, 22.00-03.00
127) **R. El Oro,** Juan Montalvo 821, Machala: 12.00-04.00
128) **R. Libertad,** Salvador 209, Quito: 11.00-03.00
129) **R. Nac. Espejo,** Bolivar 1527, Ambato: 11.00-05.00
130) **R. Noticia,** Cas. 5041, Guayaquil: 12.00-05.00
131) **R. Fantasia,** Venezuela 541, Quito: 11.00-01.00
132) **R. Rey,** Quito 20161, Latacunga: 12.00-04.00
133) **R. Costa Azul,** Pedro Gual, Portoviejo: 11.00-05.00
134) **R. Reloj,** Lamar 718, Cuenca: 13.00-04.00
135) **R. Pelileo,** Pelileo: 11.30-13.30, 23.30-03.30
136) **R. Exito,** Benalcazar 675, Quito: 11.00-05.00
137) **R. América,** Luque 910, Guayaquil: 11.00-05.00
138) **La Voz de Tomebamba,** Cas. 269, Cuenca: 11.45-04.00
139) **R. Centro,** Ambato: 11.00-05.00
140) **R. Tricolor,** Gonzáles Suárez s/n, Mira: 10.30-18.00, 22.00-04.00
141) **R. Condor,** F. Garcia Avilés 613, Guayaquil: 09.00-06.00
142) **R. Nuevo Mundo,** Venezuela 1070 y Olmedo, Quito: 10.45-04.00
143) **La Voz de Riobamba,** Véloz 112, Riobamba: 12.00-04.00
144) **R. Via,** Machala: 11.00-03.00
145) **R. Runatacuyak,** B. Quevedo: 21.00-23.00
146) **R. Central,** Roma 26 y Olmedo, Riobamba: 11.00-23.30, 02.00-04.00
147) **R. Musical,** Bahia: 11.00-05.00
148) **Ecos del Azuay,** Cuenca: 11.00-05.00
149) **R. Central,** Recoleta 112 y Maldonado, Quito: 11.00-05.00
150) **R. Exelcior,** P. Mancayo 934 y Vélez, Guayaquil: 13.00-04.00
151) **R. Turismo,** Bolivar 539, Sangolqui: 11.00-18.00, 22.00-03.00
152) **La Voz del Tropico,** 7 de Octubre 3008, Quevedo: 12.30-04.00
153) **R. Ecos,** Cas. 1020, Quito: 11.00-05.00
154) **R. Colegio San Felipe,** Colegio S. Felipe, Riobamba: 17.15-19.00
155) **Centro Radiofonica de Imbabura,** Maldonado 473, Ibarra: 11.30-03.30
156) **La Voz del Austro,** Loja 967, Cuenca: 11.00-04.00
157 **R. Riobamba,** Véloz 59, Riobamba: 12.00-04.00
158) **R. Metropolitana,** Amazonas 538, Quito: 11.00-04.30
159) **La Voz del Litoral,** Junin 206, Guayaquil: 11.00-04.00
160) **Ondas Charchenses,** Cas. 30, Tulcan: 13.00-03.00
161) **La Voz del Sur de Manabi,** Nonoa y Santisteban, Jipijapa: 11.00-04.00
162) **R. Mariscal,** Sucre 10 de Agosto s/n, San Isidro: 11.00-19.00, 22.00-04.00
163) **R. Once de Noviembre,** Quito 20161, Latacunga: 12.00-04.00
164) **R. Cenit,** Apt. 4065, Guayaquil: 11.00-04.00
165) **La Voz de El Oro,** Pasaje: 13.00-19.00, 23.00-04.00
166) **R. Continental,** Cas. 368, Ambato: 11.00-03.45
167) **R. Guayaquil,** Cas. 47, Babahoya: 23.00-03.00
168) **R. Monumental,** Cuenca: 12.00-03.00

169) **R. Victoria,** Esmeraldas 865, Quito: 11.00-06.00
170) **La Voz de Chone,** Chone: 11.15-04.30
171) **R. Reloj,** El Barquito Puente 5 de Julio, Guayaquil: 24 h
172) **La Voz del Rio Quevedo,** 24 de Febrero, Quevedo: 11.00-14.00, 16.00-20.00, 22.00-05.00
173) **La Voz del Colegio Mera,** Cas. 91, Ambato: 13.00-03.00
174) **La Voz del Milagro,** El Milagro: 12.00-05.00
175) **R. El Tiempo,** Guayaquil 1242, Quito: 11.00-06.00
176) **R. Continental,** Colón 2005, Guayaquil: 12.00-19.00, 22.00-04.00
177) **R. Tropical,** 25 de Mayo, Manta: 10.30-04.00
178) **La Voz de Salcedo,** Moreno 37, Salcedo: 12.00-14.00, 17.00-19.00, 23.00-03.00
179) **R. Vision,** Manta: 11.00-04.00
180) **R. Atuntaqui,** Atuntaqui: 16.00-03.30
181) **Ondas del Volante,** Azuay 317, Azoguez: 11.00-19.00, 22.00-04.00
182) **La Voz del Norte,** Oviedo 814, Ibarra: 11.30-17.30, 22.00-04.00
183) **Cooperativista de El Carmen,** El Carmen, Manabi: 11.00-14.00, 17.00-19.00, 23.00-02.00
184) **R. Nueva Ortiz,** Esmeraldas 1912, Guayaquil: 12.00-04.00
185) **R. Reloj,** Esmeraldas 865, Quito: 11.00-06.00
186) **R. El Triunfo,** Sucre y 9 de Octubre, Esmeraldas: 11.00-05.00
187) **Ecos del Cayambe:** 10.30-14.00, 16.00-04.00
188) **Ecos de Jambeli,** Gonzalo Cordiva 548, Puerto Bolivar: 11.00-04.00
189) **La Voz de Jipijapa,** Jipijapa: 24 h
190) **R. Central,** Vinces: 11.00-21.00, 23.00-05.00
191) **R. Puruha,** 10 de Agosto, Riobamba: 12.00-04.00
192) **R. Otavalo,** Modesto Jarmillo y Salinas, Otavalo: 13.00-18.00, 23.00-03.00
193) **R. El Tiempo,** Blvd 9 de Octubre, Guayaquil: 24 h
194) **R. Cordilla,** Apt. 1003, Quito: 11.30-04.00
195) **Org. Radiofonica del Cotopaxi,** Edif. Ramos, Latacunga: 12.00-15.00, 16.00-20.00, 22.00-04.30
196) **R. Vision,** Salinas 835 y Asunción, Quito: 10.30-19.00, 21.30-03.00
197) **La Voz del Guabo,** El Guabo: 11.00-13.00, 17.00-19.00, 23.00-05.00
198) **Centro Radiofonico Sideral,** Daule: 13.00-05.00
199) **La Voz de Ingapirca,** Cañar
200) **R. La Voz de los Llanganates,** Barrio el Censo, Pillaro: 11.00-14.00, 17.30-20.00, 23.30-02.00
201) **R. Juventud,** El Carmen, Manabi: 11.00-1700, 23.00-05.00
202) **R. Quero,** Quero
203) **R. Consular,** El Empalme: 11.30-15.00, 18.00-22.00, 01.00-03.30

## FALKLAND ISLANDS

**L.T:** GMT – 4h (April-Sept: GMT – 3h) – **Pr.L:** English.

**FALKLAND ISLAND BROADCASTING SERVICE (Gov.)**
**ADDR:** Broadcasting Studios, Stanley. **Cable:** Broadcasts. **Te:** 90.

**STATIONS:** 536kHz 55.9.7m 5kW – 3958kHz 75.79m 0.5kW
**HOME SCE:** W 22.45 (Sat 21.30) –01.00 (Sat 02.00); Sun 21.45–01.30. N (BBC): W 11.00 (Oct-March), 13.00 (April-Sept), 23.00 (Oct-March), 00.00 (April-Sept). **Local N:** Fri 23.35 – **ANN:** "This is the Falkland Islands Broadc. Station" – **V.** by letter

## GUIANA

**L.T:** GMT 3½h. — **Pr.L:** English.

**GUYANA BROADCASTING CO. LTD. (Comm.)**
**ADDR:** Broadc. House, Phillip's Green, High St, Georgetown. **Te:** 2691. **Cable:** Broadcast – **L.P:** Gen. Mgr: E. A. D. Saul A.M.I.E.R.E. Eng-in-Charge: J. Kerr. Sales Mgr: U. A. Gouveia. Dir. Prgr: R. A. Khan.

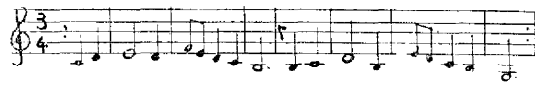
**STATIONS:** ZFY (R. Demerara) and G,B.S. (560kHz).
560kHz 536m 10kW — 3265kHz 91.87m 2kW
760kHz 395m 10kW — 5980kHz 50.17m 2kW
(G.C: 58.05W/06.49N).
**G.B.S:** 560kHz: W 09.45–01.50, Sun 10.45–01.50.
**N:** W 09.46, 10.45, 11.00*, 13.45, 14.45, 15.45, 18.00*, 18.45, 20.45, 21.45, 22.45, 23.00*, 00.45, 01.45. Sun: 10.46, 11.00*, 13.45, 15.45, 23.00*, 23.45, 01.45.
**ZFY:** 760kHz: 09.15 (Sun 09.45) –02.45 (Sat 03.45); 3265kHz: 19.45–02.45 (Sat 03.45); 5980kHz: 09.15 (Sun 09.45) –19.45.
**N:** W 09.48, 10.15, 11.15, 13.00*, 15.10, 16.00*, 20.00*, 20.10, 21.10, 22.00, 23.10, 00.45, 02.43. Sun: 11.10, 16.00*, 16.10, 20.00*, 23.10, 00.45, 02.43. *=BBC.

**ANN:** On 560kHz: "This is G.B.S. Guyana Broadc. Sce". On 760/3265/5980kHz: "This is R. Demerara, Voice of Guyana" – **V.** by QSL-card. Recordings accepted — **ALF:** $ 1.50,

## GUIANA (French)

**L.T:** GMT – 3h – **Pr.L:** French.

**OFFICE DE RADIODIF. TELEVISION FRANCAISE (ORTF)**
**ADDR:** B.P. 336, Cayenne. **Te:** 355 – **L.P:** Délégue Reg: F. Jacquemart. St. Mgr: C. Barrat. Dir. Tec: C. Pierre.
**STATIONS** (G.C: 52.00W/05.00N): 1070kHz 4kW.
3385kHz 88.63m 4kW – 4892kHz 61.32m 4kW – 6170kHz 48.62m 4kW. **HOME SCE:** 09.15–11.00 on 1070/3385/4892kHz, 15.00–17.30 on 1070/4892/6170kHz, 20.30–01.00 (Sat 02.00) on 1070/3385/4892kHz – **N:** 10.30, 16.30, 22.30, – **ANN:** "Ici Cayenne, Office de Radiodiff. Télévision Française".
**INT-SIG:** Guitar.



**V.** by letter. Recordings accepted – **ALF:** 30 Frcs.

## PARAGUAY

**L.T:** GMT – 4h – **Pr.L:** Spanish.

**ADMINISTRACION NACIONAL DE TELECOMUNICACIONES**
**ADDR:** Administración General, Cas. Correo 84, Asunción. **Cable:** Antelco. **Te:** 4001.
**STATIONS:** All st's comm. exc. R. Nacional.
**Short Waves:** Call: ZP—

| | Call | kHz | m | kW | N. and h of tr. |
|---|---|---|---|---|---|
| 1) | A6 | 5975 | 50.21 | 3 | R. Guarani Villarrica: 12.00–18.00, 21.00–03.00 |
| 2) | A10 | 6015 | 49.88 | 1 | R. Paraguay, Asunción: 10.00–19.00, 20.00–02.00 |
| 3) | A1 | 6025 | 49.79 | 3 | R. Nacional, Asunción: 11.00–17.00, 20.00–02.00 |
| 4) | A11 | 6110 | 49.10 | 1 | R. Charitas, Asunción: 15.00–01.00 |
| 5) | A3 | 11850 | 25.32 | 3 | R. Teleco, Asunción: 14.00–23.00 |
| 6) | A5 | 11940 | 25.13 | 5 | R. Encarnación: 15.00–17.00, 20.00–02.00 |
| 7) | A7 | 15210 | 19.72 | 3 | R. Guarani, Asunción: 12.00–16.00, 19.00–03.00 |

**Medium Waves:** Call ZP— °=Short Wave *=also FM

| | Call | kHz | kW | | Call | kHz | kW | | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8) | 15 | 560 | 0.25 | 3) | 1 | °920 | 10 | 2) | 10 | °1300 | 1.5 |
| 9) | 16 | 640 | 1 | 11) | 9 | 970 | 1.5 | 14) | 19 | 1330 | 1 |
| 10) | 12 | 700 | 10 | 12) | 14 | 1020 | 5 | 1) | 6 | °1360 | 1.5 |
| 7) | 7 | °730 | 1.5 | 13) | 13 | 1060 | 1 | 5) | 3 | °1430 | 1 |
| 6) | 5 | °760 | 20 | 4) | 11 | °1200 | 1.5 | 15) | 8 | 1480 | 1 |

**Short Waves:**
1) Alejo Garcia y Pte. Franco, Villarrica. **Te:** 85. **Ann:** "ZP6 y ZPA6, R. Guarani, Voz de Progreso y Cultura". **V.** by QSL-card or letter.
2) Av. Dr. Caspar R. de Francia 343, Asunción. **V.** by QSL-card. Rp.
3) Victor Haedo 224, Asunción. **L.P:** Dir. Gen: A. Cáceres Almada. Dir. Tec: P. Pereira. **D.Prgr: N:** 16.30, 22.30, 02.30. **Ann:** "ZP1 y ZPA1, R. Nacional del Paraguay". **V.** by letter.
4) L. A. de Herrera 364, Asunción.
5) Av. Eusebio Auala y Guarani, Asunción. **Ann:** "ZPA3 y ZPA3, R. Teleco, Asunción, República del Paraguay". **V.** by letter.
6) Encarnación. **L.P:** Dir. Gen: A. Vera. Mgr: J. Gómez. Dir. Tec: R. Godefroid. **V.** by letter. Recordings accepted.
7) José F. Bogado y 7A, Asunción. **Te:** 6393. **L.P:** Dir. Tec: M. Saccarello. **V.** by letter.
**Medium Waves:**
8) **La Voz de Amambay,** Pedro Juan Caballero.
9) **R. Pte. Strossner,** Puerto Pte. Strossner.
10) **R. Carlos Antonio Lopóz,** Alberdi 200, Pillar. **Te:** 54. **L.P:** Dir. Gen: M. A. Rodriguez. Dir. Tec: M. A. Stete. **D.Prgr:** 09.00–02.00 in Spanish & Guarani.
11) **R. Comuneros,** Estados Unidas y 9° Pdas, Asunción.
12) **R. Nanduti,** Antiguera 654, Asunción.
13) **R. Boquerón,** Alberdi.
14) **R. Nuevo Mundo,** Cnel. Oviedo, Nuevo Mundo.
15) **R. Concepción,** Oliva y Schreiber, Concepción. **L.P:** Dir: S. E. Dacak. **D.Prgr:** 08.25-02.00. **V.** by letter. Recordings accepted.

## PERU

**L.T:** GMT – 5h – **Pr.L:** Spanish.

**JUNTA PERMANENTE DE TELECOMUNICACIONES:**
**ADDR:** Washington 1894, Lima. **L.P:** Pres: Dr. J. M. de la Jara y Ureta. Chief Contr. of Technical Services: Ing. F. Bonifaz.

**ASOCIATION NACIONAL DE RADIO EMISORAS DEL PERU:**
**ADDR:** Avda. Tacna 543, Lima. **L.P:** Pres: N. Gonzales. Secr. Gen: P. Tello Cadenas.

# Peru

**ORGANISMO REGIONAL BOLIVARIANO DE AIR (O.R.B.O):** ADDR: Colmena 624, Lima. L.P: Pres: P. Tello Cadenas (Peru). Exec. Secr: R. Salmon (Bolivia). ORBO represents all Radio & TV st's in Bolivia, Colombia, Ecuador, Panama, Peru & Venezuela. STATIONS: All st's comm. exc. 73), 75), 81), 82), 83), 163) (Gov.); 19), 45), 50), 84), 118), 148), 185), 190), (Cult). *=inactive.

| | Call | kHz | m | kW | Name and h of tr. |
|---|---|---|---|---|---|
| 1) | OBZ4C | 3215 | 93.30 | 0.3 | R. Mundo, Huancayo |
| 2) | OBX7D | 3230 | 93.00 | 0.4 | R. El Sol de los Andes, Juliaca: 11.00–06.00 |
| 3) | OBX4U | 3240 | 92.59 | 1 | R. América, Lima: 13.00–06.00 |
| 4) | OAZ4G | 3250 | 92.31 | 0.4 | R. La Oroya, La Oroya |
| 5) | OBX1E | 3280 | 91.40 | 1 | R. San Miguel, Piura |
| 6) | OBZ4E | 3290 | 91.19 | 0.5 | R. Universal, Callao: 22.30–03.15 |
| 7) | OBX4Y | 3300 | 90.85 | 0.45 | R. Junin, Huancayo: 12.00–05.00 |
| 8) | OBZ4I | 3320 | 90.34 | 1 | R. Erpa, San Vicente de Cañete: 18.00–08.00 |
| 9) | OAX3P | 3325 | 90.23 | 0.5 | T. Tingo Maria, 12.00–05.00 |
| 10) | OAX1M | 3330 | 90.09 | 1 | R. Progreso, Piura: 12.00–05.00 |
| 11) | OAX5J | 3350 | 89.55 | 1 | R. Independencia, Ica |
| 12) | OAX3Q | 3355 | 89.42 | 0.5 | R. Ondas de Huallaga, Huanuco |
| 13) | OBX4Z | 3355 | 89.42 | 0.5 | R. Luz, Lima: 12.00–05.00 |
| 14) | OAX3D | 3360 | 89.29 | 0.5 | R. Huánuco, 12.00–05.00 |
| 15) | OAX1O | 3380 | 88.76 | 1 | R. Chiclayo, 12.00–05.00 |
| 16) | OBZ4M | 3385 | 88.63 | 1 | R. La Voz del Valle del Mantaro, Jauja |
| 17) | OCX4R | 3390 | 88.50 | 0.3 | R. Industrial, La Oroya |
| 18) | OAX3G | 3890 | 77.12 | 0.5 | R. Chimbote, 12.00–06.00 |
| 19) | OCX4T | 4680 | 64.10 | 0.5 | R. Cultural La Merced, Huancayo: 17.00–06.30 |
| 9) | OAX3W | 4760 | 63.03 | 0.5 | R. Tingo Maria, Tingo Maria: 12.00–05.00 |
| 20) | OCX4W | 4762 | 63.00 | 0.25 | R. Inca, Lima: 11.00–07.00 |
| 21) | OAX2G | 4770 | 62.89 | 0.5 | R. Cajámarca, Cajamarca: 12.00–05.00 |
| 22) | OAX3V | 4785 | 62.70 | 1 | R. Horizonte, Huanuco |
| 23) | OAX5X | 4790 | 62.63 | 0.4 | R. Nazca, Nazca: 12.00–06.00 |
| 24) | OBX7C | 4800 | 62.50 | 0.5 | R. Onda Azul, Puno: 10.45–04.15 |
| 25) | OAX2U | 4810 | 62.37 | 1 | R. San Ignacio, Jaén |
| 26) | OBX1C | *4815 | 62.31 | 1 | R. La Voz de la Frontera, Tumbes |
| 27) | OAX8X | 4815 | 62.31 | 1 | R. Amazonas, Iquitos: 11.00–05.00 |
| 28) | OAX5U | 4815 | 62.31 | 1 | R. La Voz de Huamanga |
| 29) | OAX7K | 4820 | 62.24 | 0.45 | R. Puno, Puno: 01.00–04.00 |
| 30) | OAX8R | 4825 | 62.18 | 1 | R. San José, Iquitos |
| 31) | OAZ4J | 4835 | 62.05 | 0.5 | R. Sudamericana, Lima |
| 32) | OAX7T | 4835 | 62.05 | 0.35 | R. Sicuani, Sicuani |
| 33) | OAX8F | 4840 | 61.98 | 1 | R. Atlántida, Iquitos: 2.00–05.00 |
| 34) | OBX5E | 4840 | 61.98 | 1 | R. Andahuaylas, Andahuaylas |
| 35) | OAX1X | 4845 | 61.92 | 1 | La Voz de Chira, Sullana: 12.00–05.00 |
| 36) | OAX8I | 4855 | 61.79 | 0.5 | R. La Hora, Iquitos |
| 37) | OCX4B | 4860 | 61.73 | 0.5 | R. Callao: 12.00–05.00 |
| 38) | OCX4E | 4880 | 61.48 | 1 | R. Once Sesenta, Lima: 12.00–05.00 |
| 39) | OAX5V | 4885 | 61.45 | 1 | R. Villa Rica, Huancavelica |
| 40) | OAZ4T | 4895 | 61.29 | 0.4 | R. Chanchamayo, La Merced |
| 41) | OAX2K | 4910 | 61.10 | 0.5 | R. Libertad, Trujillo: 12.00–05.00 |
| 42) | OAX7V | 4910 | 61.10 | 1 | R. Tahuantisuyo, Cuzco |
| 43) | OAX2H | 4915 | 61.03 | 0.5 | R. La Hora, Trujillo: 12.00–06.00 |
| 44) | OBX7H | 4920 | 60.89 | 1 | R. Ondas del Titicaca, Puno |
| 45) | OAX5Q | 4934 | 60.80 | 0.25 | R. Concejo Provincial de Abancay |
| 46) | OAX9E | 4935 | 60.80 | 1 | R. Tropical, Tarapoto 11.00–04.00 |
| 47) | OAX6N | 4940 | 60.73 | 0.5 | R. El Misti, Arequipa: 12.00–04.30 |
| 48) | OAZ4R | 4940 | 60.73 | 0.5 | R. San Juan, Tarma: 12.00–04.30 |
| 49) | OAZ4I | *4945 | 60.67 | 0.4 | R. Huacho, Huacho: 12.00–05.00 |
| 50) | OAX7I | 4950 | 60.60 | 0.5 | R. Madre de Dios, Puerto Maldonado |
| 51) | OAX5S | 4955 | 60.54 | 1 | R. Amauta, Huanta: 12.00–05.00 |
| 52) | OAX1S | 4960 | 60.48 | 0.5 | R. Lambayeque, Chiclayo: 11.15–05.00 |
| 53) | OBX1Q | 4970 | 60.36 | 1 | R. San Juan, Piura |
| 54) | OBX7W | 4980 | 60.25 | 0.3 | R. Maldonado, Puerto Maldonado |
| 55) | OBX7R | 4990 | 60.12 | 1 | R. Triunfo, San Blas |
| 56) | OBX1O | 4990 | 60.12 | 1 | R. Chulucanas, Chulucanas |
| 57) | OAZ4C | 4995 | 60.06 | 1 | R. Andina, Huancayo: 11.00–05.00 |
| 58) | OAX2S | 5005 | 59.94 | 0.25 | R. Jaén, Jaén |
| 59) | OAX8V | 5010 | 59.88 | 0.4 | R. Eco, Iquitos: 12.00–05.00 |
| 60) | OAX5O | *5010 | 59.88 | 1 | R. Pisco, Pisco |
| 61) | OAX7Z | 5015 | 59.82 | 0.35 | R. Juliaca, Juliaca: 12.00–14.00 17.00–19.00, 22.00–04.00 |
| 62) | OAX7Q | 5025 | 59.70 | 0.3 | R. Quillabamba, 12.00–24.00 |
| 63) | OBX7F | 5035 | 59.58 | 0.5 | R. Ayaviri, Ayaviri: 11.30–16.00, 21.30–04.00 |
| 64) | OAX6U | 5035 | 59.58 | 1 | R. Ilo, Ilo: 12.00–05.00 |
| 65) | OCY4E | 5040 | 59.52 | 10 | R. Los Andes, Lima |
| 66) | OAX1J | 5050 | 59.41 | 0.4 | R. Tumbes, Tumbes: 12.00–05.00 |
| 67) | OBX7O | 5055 | 59.35 | 1 | R. Onda Imperial, Cuzco: 16.00–07.00 |
| 68) | OAZ4A | 5058 | 59.31 | 1 | R. Tarma, Tarma: 12.00–05.00 |
| 69) | OAX4P | 5955 | 50.39 | 0.5 | R. Huancayo, 11.30–04.30 |
| 70) | OAX7L | 5960 | 50.34 | 0.25 | La Voz del Altiplano Puno: 12.00–05.00 |
| 71) | OBX4Q | 5970 | 50.25 | 10 | R. El Sol, Lima: 11.00–05.00 |
| 72) | OBX4M | 5980 | 50.17 | 5 | R. Panamericana, Lima: 12.00–16.00 23.00–04.00 |
| 73) | OAX1W | 5990 | 50.08 | 1 | R. Nacional, Tumbes |
| 3) | OAX4V | 6010 | 49.92 | 0.5 | R. América, Lima |
| 74) | OAX4Q | 6020 | 49.83 | 1 | R. Victoria, Lima: 11.00–06.00 |
| 75) | OAX8B | 6028 | 49.77 | 1 | R. Nacional, Iquitos: 11.00–05.00 |
| 76) | OAX6B | 6035 | 49.71 | 0.2 | R. Landa, Arequipa: 12.00–05.00 |
| 77) | OAX6A | 6042 | 49.65 | 0.25 | R. Arequipa, 12.00–04.30 |
| 78) | OAX6E | 6055 | 49.55 | 1 | R. Continental, Arequipa: 11.00–06.00 |
| 79) | OAX8L | 6062 | 49.48 | 0.25 | R. Telesar, Pucallpa |
| 80) | OBX4S | 6070 | 49.42 | 1 | R. Onda Popular, Lima: 24 h. |
| 81) | OAX4Z | 6082 | 49.32 | 15 | R. Nacional, Lima: 11.00–05.00 |
| 82) | OAX4H | 6095 | 49.22 | 0.25 | R. Oficial del Congreso del Peru, Lima: 12.00–05.00 |
| 83) | OAX6F | 6105 | 49.14 | 1 | R. Nacional, Tacna: 12.00–05.00 |
| 84) | OBZ4O | 6115 | 49.06 | 10 | R. Union, Lima |
| 85) | OCX4A | 6123 | 49.01 | 1 | R. La Cronica, Lima |
| 86) | OAX7A | 6128 | 48.96 | 0.1 | R. Cuzco, Cuzco: 12.00–05.00 |
| 87) | OCX4M | 6135 | 48.90 | 0.5 | R. Pasco, Cerro de Pasco |
| 88) | OAX1A | 6140 | 48.86 | 0.2 | R. Delcar, Chiclayo: 00.00–05.30 |
| 89) | OAX9B | 6140 | 48.86 | 0.02 | R. Amazonas, Chachapoyas |
| 90) | OAZ4E | 6145 | 48.82 | 0.5 | R. Mineria, La Oroya: 12.00–05.00 |
| 91) | OBX4G | 6150 | 48.78 | 2 | R. Excelsior, Lima: 12.00–05.00 |
| 92) | OAX8A | 6155 | 48.74 | 1 | R. Pucallpa, 12.00–05.00 |
| 1) | OCX4G | 6160 | 48.70 | 1 | R. Mundo, Huancayo: 11.00–05.00 |
| 93) | OAX2A | 6165 | 48.66 | 0.4 | R. Trujillo, Trujillo: 12.15–05.30 |
| 94) | OBX4B | 6170 | 48.62 | 0.35 | R. Corporación, Cerro de Pasco: 10.00–05.00 |
| 42) | OAX7C | 6175 | 48.58 | 0.3 | R. Tahuantisuyo, Cuzco |
| 95) | OBX4P | 6180 | 48.54 | 0.5 | R. Miraflores, Miraflores |
| 96) | OAX4G | 6190 | 48.47 | 0.4 | R. Lima, Lima: 12.00–06.00 |
| 97) | OAX1Y | 6198 | 48.40 | 0.3 | R. Sudamericana, Piura: 12.00–05.00 |
| 98) | OAX8E | 9504 | 31.56 | 1 | R. Loreto, Iquitos: 11.00–05.00 |
| 99) | OAX6H | 9505 | 31.56 | 0.2 | R. Tacna, Tacna: 10.30–05.20 |
| 3) | OAX4V | 9510 | 31.55 | 5 | R. América, Lima |
| 85) | OAX4J | 9520 | 31.51 | 5 | R. La Cronica, Lima: 12.00–05.00 |
| 83) | OAX6G | 9530 | 31.48 | 0.3 | R. Nacional, Tacna |
| 100) | OAX4K | 9545 | 31.43 | 0.5 | R. Central, Lima: 12.00–06.00 |
| 73) | OAX1Z | 9550 | 31.41 | 1 | R. Nacional, Tumbes: 11.00–05.00 |
| 81) | OAX4R | 9562 | 31.37 | 50 | R. Nacional, Lima: 12.00–05.00 |
| 101) | OBX4K | 9585 | 31.30 | 0.5 | R. Selecta, Lima: 13.00–04.30 |
| 102) | OAX5C | 9590 | 31.28 | 0.2 | R. Ica, Ica |
| 103) | OAX3E | 9600 | 31.25 | 0.5 | R. Huaráz, Huaráz |
| 104) | OAX1R | 9600 | 31.25 | 0.45 | R. Talara, Talara |
| 75) | OAX8C | 9610 | 31.22 | 1 | R. Nacional, Iquitos: 12.00–05.00 |
| 2) | OBX7E | 9618 | 31.19 | 0.4 | R. El Sol de los Andes, Juliaca: 11.00–06.00 |
| 33) | OAX8K | 9625 | 31.17 | 1 | R. Atlántida, Iquitos: 11.00–05.00 |
| 105) | OCX4K | 9635 | 31.14 | 1 | R. Expreso, Lima: 12.00–05.00 |
| 106) | OAX1T | 9645 | 31.10 | 0.5 | R. Grau, Piura |
| 107) | OAX9G | 9655 | 31.07 | 1 | R. Nor Peruana, Chachapoyas: 12.00–06.00 |
| 59) | OAX8U | 9665 | 31.04 | 1 | R. Eco, Iquitos: 12.00–05.00 |
| 108) | OAZ4L | 9675 | 31.01 | 7.5 | R. Del Pacifico, Lima: 12.00–03.00 |
| 109) | OCX4Y | 9695 | 30.94 | 1 | R. Continente, Lima: 11.30–06.00 |
| 46) | OAX9D | 9710 | 30.90 | 1 | R. Tropical, Tarapoto: 11.30–04.00 |
| 74)) | OCX4C | 9720 | 30.86 | 1 | R. Victoria, Lima |
| 110) | OAX7J | *9730 | 30.83 | 0.45 | R. La Hora, Cuzco: 12.00–05.00 |
| 65) | OCY4F | 9740 | 30.80 | 10 | R. Los Andes, Lima |
| 11) | OAX8W | 9750 | 30.77 | 2.1 | R. Sideral, Pucallpa |
| 78) | OAX6D | 9760 | 30.74 | 1 | R. Continental, Arequipa |
| 27) | OAX8O | 9770 | 30.71 | 1 | R. Amazonas, Iquitos |
| 81) | OBX4R | *11914 | 25.19 | 40 | R. Nacional, Lima |
| 81) | OAX4T | 15150 | 19.80 | 15 | R. Nacional, Lima: irr. |
| 71) | OBX4C | *15180 | 19.76 | 1 | R. El Sol, Lima |
| 81) | OBX4T | *21600 | 13.89 | 50 | R. Nacional, Lima |

**Medium Waves:** °= also on Short Wave.

| | Call | kHz | kW |
|---|---|---|---|
| 108) | OAZ4X | °540 | 10 |
| 60) | OAX5P | °560 | 1 |
| 112) | OBZ4L | 560 | 1 |
| 113) | OAX3K | 570 | 1 |
| 114) | OBX5F | 570 | 1 |
| 115) | OAX7E | 600 | 1 |
| 116) | OBZ4U | 610 | 0.5 |
| 117) | OAX2M | 620 | 0.4 |
| 118) | OAX7V | 620 | 0.4 |
| 118) | OAX7V | 620 | 0.45 |
| 28) | OAX5T | °620 | 1 |
| 24) | OBX7B | °640 | 1 |
| 119) | OAX5R | 650 | 1 |
| 120) | OAX2N | 650 | 1 |
| 6) | OBX4A | °670 | 1 |

| | Call | kHz | kW |
|---|---|---|---|
| 4) | OAZ4F | °690 | 0.4 |
| 78) | OAX6C | °690 | 10 |
| 18) | OAX3F | °690 | 1 |
| 121) | OBZ4H | 700 | 1 |
| 53) | OBX1P | °710 | 10 |
| 11) | OAX5E | °730 | 1.5 |
| 31) | OBX4S | °730 | 1 |
| 97) | OAX1B | °750 | 0.25 |
| 122) | OAX3T | 750 | 1 |
| 65) | OBZ4X | °760 | 10 |
| 123) | OBX7N | 770 | 0.4 |
| 74) | OAX4X | °780 | 10 |
| 124) | OAX21 | 790 | 5 |
| 125) | OAZ4U | 800 | 0.5 |
| 126) | OBX5B | 800 | 0.5 |
| 127) | OBZ4A | 800 | 0.5 |
| 30) | OAX8S | °810 | 5 |
| 128) | OAX2J | 820 | 1 |
| 129) | OAX4O | 820 | 1 |
| 130) | OAX3S | 830 | 1 |
| 131) | OBX1L | 830 | 1 |
| 81) | OAX4H | °854 | 10 |
| 132) | OAZ4Y | 870 | 0.25 |
| 133) | OBX1F | 870 | 1 |
| 84) | OBZ4N | °880 | 50 |
| 10) | OAX1D | °890 | 1 |
| 71) | OBX4X | °900 | 10 |
| 134) | OBX1G | 920 | 1 |
| 135) | OBZ4J | 920 | 1 |
| 100) | OAX4E | °930 | 50 |
| 136) | OBX7L | 940 | 0.5 |
| 115) | OAX7F | 950 | 1 |
| 72) | OAX4D | °960 | 20 |
| 43) | OAX2F | °980 | 0.4 |
| 105) | OBX4J | °985 | 5 |
| 16) | OBZ4R | °990 | 1 |
| 3) | OAX4U | °1010 | 50 |
| 70) | OAX7N | °1030 | 0.25 |
| 75) | OAX8A | °1030 | 1 |
| 80) | OBX4O | °1040 | 10 |
| 22) | OAX3U | °1060 | 1 |
| 34) | OBX5D | °1060 | 1 |
| 137) | OCY4D | 1060 | 1 |
| 93) | OAX2B | °1070 | 2.1 |
| 138) | OAX5A | 1070 | 0.25 |
| 82) | OAX4F | °1080 | 1 |
| 5) | OBX1D | °1080 | 5 |
| 9) | OAX31 | °1080 | 0.5 |
| 139) | OAX7S | 1080 | 1 |
| 27) | OAX8N | °1080 | 1 |
| 140) | OAX9H | 1080 | 1 |
| 141) | OAZ4K | 1100 | 1 |
| 142) | OBX5G | 1100 | 1 |
| 143) | OCX4S | 1100 | 0.15 |
| 144) | OAX5Z | 1100 | 1 |
| 81) | OBX4A | °1120 | 20 |
| 101) | OAX4N | °1130 | 2.6 |
| 29) | OAX7H | °1130 | 0.45 |
| 40) | OAZ4S | °1130 | 0.4 |
| 145) | OCY4C | 1140 | 1 |
| 146) | OAX5W | 1140 | 0.5 |
| 38) | OAX4C | °1160 | 5 |
| 115) | OAX7D | 1160 | 0.2 |
| 73) | OAX1K | °1160 | 1 |
| 41) | OAX2C | °1160 | 0.3 |
| 103) | OAX3B | °1160 | 0.5 |
| 147) | OAX30 | 1180 | 0.5 |
| 8) | OCY4Z | °1180 | 10 |
| 96) | OAX4B | °1200 | 2.5 |
| 42) | OAX7B | °1200 | 0.3 |
| 148) | OAX8M | 1200 | 0.5 |
| 149) | OAX2Q | 1210 | 1 |
| 150) | OAX5G | 1220 | 1 |
| 151) | OAX2T | 1230 | 1 |
| 152) | OBZ4Y | 1230 | 0.4 |
| 13) | OBX4L | °1230 | 1 |
| 50) | OBX7J | °1230 | 0.5 |
| 92) | OAX8P | °1250 | 1 |
| 83) | OAX6D | °1250 | 0.35 |
| 95) | OAX4L | °1250 | 5 |
| 106) | OAX1H | °1270 | 0.5 |
| 102) | OAX5B | °1270 | 0.15 |
| 44) | OBX7G | °1270 | 1 |
| 59) | OAX8T | °1270 | 1 |
| 107) | OAX9F | °1270 | 1 |
| 49) | OAZ4H | °1270 | 1 |
| 153) | OBZ4T | 1270 | 1 |
| 154) | OBZ4K | 1280 | 10 |
| 52) | OAX1I | °1300 | 1 |
| 57) | OAZ4B | °1300 | 1 |
| 67) | OAX7P | °1300 | 0.35 |
| 155) | OAX4M | 1300 | 1 |
| 156) | OAX6P | 1300 | 0.4 |
| 61) | OAX7X | °1300 | 0.3 |
| 85) | OAX4I | °1320 | 10 |
| 104) | OAX1F | °1320 | 1 |
| 46) | OAX9C | °1340 | 1 |
| 47) | OAX6L | °1340 | 0.5 |
| 157) | OAX5D | 1340 | 0.5 |
| 158) | OAZ4M | 1340 | 0.2 |
| 159) | OAX5H | 1340 | 0.5 |
| 160) | OAZ4Q | 1340 | 0.5 |
| 15) | OAX1E | °1340 | 1 |
| 161) | OBX1K | 1340 | 1 |
| 12) | OAX3N | °1350 | 1 |
| 91) | OAX4Y | °1360 | 1 |
| 32) | OAX7R | °1360 | 0.35 |
| 162) | OAX3H | 1370 | 1 |
| 163) | OAZ4O | 1370 | 0.5 |
| 164) | OAX8G | 1370 | 0.5 |
| 165) | OAX51 | 1370 | 0.5 |
| 166) | OAX5F | 1370 | 0.5 |
| 7) | OBX4V | °1370 | 1 |
| 21) | OAX2D | °1370 | 0.5 |
| 66) | OAX1G | °1370 | 1 |
| 167) | OAX2W | 1380 | 1 |
| 168) | OBX5C | 1380 | 0.5 |
| 48) | OAZ4P | °1400 | 0.5 |
| 37) | OBX4W | °1400 | 2.5 |
| 169) | OAX2O | 1400 | 1 |
| 76) | OAX6J | °1400 | 0.2 |
| 110) | OAX7I | °1400 | 0.45 |
| 170) | OAX6S | 1420 | 1.5 |
| 171) | OBZ4G | 1420 | 1 |
| 172) | OAX8Z | 1420 | 1 |
| 173) | OBX1H | 1420 | 0.5 |
| 174) | OBX5H | 1420 | 0.4 |
| 175) | OAZ4V | 1430 | 0.5 |
| 109) | OCX4X | °1440 | 1 |
| 176) | OAX6R | 1440 | 1 |
| 35) | OAX1V | °1460 | 1 |
| 14) | OAX3C | °1460 | 0.25 |
| 2) | OAX7W | °1460 | 1 |
| 177) | OAK5K | 1460 | 2.5 |
| 178) | OCY4I | 1460 | 0.5 |
| 69) | OCX4D | °1470 | 1 |
| 86) | OAX7G | °1470 | 0.15 |
| 179) | OAX6K | 1470 | 0.5 |
| 36) | OAX8H | °1470 | 0.45 |
| 20) | OBX4E | °1480 | 10 |
| 180) | OAX1L | 1490 | 0.25 |
| 87) | OCX4P | °1490 | 0.5 |
| 181) | OAX6Q | 1490 | 5 |
| 33) | OAX8J | °1490 | 1 |
| 45) | OAX5L | °1490 | 0.25 |
| 23) | OAX5N | °1490 | 0.3 |
| 182) | OBX4I | 1500 | 10 |
| 183) | OAX6I | 1500 | 1 |
| 184) | OCX4V | 1510 | 0.3 |
| 68) | OCX4J | °1510 | 0.1 |
| 185) | OAX2L | 1510 | 1 |
| 186) | OAX6M | 1510 | 1 |
| 56) | OBX1M | °1510 | 1 |
| 98) | OAX8D | °1520 | 1 |
| 187) | OBX4D | 1520 | 5 |
| 90) | OAZ4D | °1520 | 0.5 |
| 88) | OAX1C | °1520 | 1 |
| 54) | OBX7U | °1520 | 0.25 |
| 188) | OBZ4S | 1530 | 1 |
| 94) | OBX4N | °1540 | 0.3 |
| 189) | OAZ4N | 1540 | 0.15 |
| 26) | OBX1B | °1540 | 1 |
| 1) | OCX4F | °1560 | 10 |
| 190) | OAX7U | 1560 | 0.35 |
| 191) | OAX7Y | 1570 | 1 |
| 192) | OBZ4V | 1570 | 1 |
| 39) | OAX5M | °1580 | 0.15 |
| 55) | OBX7Q | °1580 | 0.5 |
| 19) | OCX4T | °1590 | 1 |
| 193) | OAZ4Z | 1590 | 5 |

**Short Waves:**

1) Calle Real 455, Huancayo. **L.P:** Dir: M. Huanay G. **V.** by letter.

2) Cas. 11, Juliaca. **Te:** 81. **L.P:** Dir. Gen: S. Davila U. Dir. Tec: E. Esquivar. **D.Prgr: N:** 11.00, 17.30, 24.00. **Ann:** "Desde las cumbres nevadas del ande peruano, transmite la emisora mas potente del Sur del Peru – R. El Sol de los Andes, desde Juliaca, República del Peru, transmite para Ud, y todo el mundo, R.El Sol de los Andes". **Int-Sig:** Xylophone. **V.** by letter. Recordings accepted. **F.Pl:** TV st.

3) Cas. 1192, Lima. **Te:** 33167. **L.P:** Dir. Gen: N. Gonzalez V. Dir. Tec: D. Capella. **V.** by QSL-card.

4) Ca. Tarma 195, La Oroya. **Ann:** "OAZ4F 147Okc onda larga y OAZ4G en 325okc onda tropical, banda de 92mts, R. La Oroya de La Oroya, afiliada a la Asociación de R. Victoria, Lima, Peru."

5) Av. Sánchez Cerro 2A Cuadra, Piura.

6) Jr. Buenos Aires 934, La Punta, Callao. **Te:** 90798. **L.P:** Dir. Gen: R. Nieto. St. Mgr: M. Nieto. Dir. Tec: S. Raspa. **D.Prgr:** 13.00–03.15 (mw). **N:** 13.00. **Ann:** "OAZ4 Len 670okc y OBZ4E en 329okc onda corta tropical transmite R. Cultura desde La Punta, Callao, Peru. Mayor potencia, calidad transmite R. Cultura desde La Punta, Callao".

7) Jiron Callao 120, Huancayo. **L.P:** Mgr: R. Tasa Z. **V.** by QSL-card.

8) Apt. 70, San Vicente de Cañete. **Te:** 2261. **L.P:** Dir. J. A. Lasunción. Dir. Tec: F. X. Coli Sanut. **D.Prgr: N:** 12.15, 01.30. **Ann:** "R. ERPA, una Voz al servicio de la cultura". **V.** by letter. Recordings accepted. **F.Pl:** 10kW.

9) Jiron Independencia 218, Tingo Maria.

10) Ca. Ica. 419, Piura **Ann:** "R. Progreso de Piura transmite para todo el Peru".

11) Jiron Cajamarca 194, Ica.

12) Apt. 343, Huanuco. **Te:** 2428. **L.P:** Dir: F. Llanos M. **V.** by letter.

13) Av. Tacna 543, Lima. **Te:** 80253. **L.P:** Dir: W. R. Quintas. **Ann:** "R. Luz, la primera emisora del dial". **V.** by QSL-card.

14) Municipalidad de Huánuco, Huánuco.

15) Edif. Banco Popular 4, Chiclayo. **Ann:** "La Emisora Mas Popular del Norte" or "R. Chiclayo transmitiendo para todo el Peru".

16) Ca. Junin 1131, Jauja. **V.** by letter.

17) Jirón Arequipa 201, La Oroya.

18) Jr. Villavicéncio 267, Chimbote. **Te:** 2574. **Ann:** "La Emisora de los Mejores Programas" or "Transmite OAX3F R. Chimbote en 690kc de frequencia desde el Departamento de Ancash, Perú".

19) Palacio Arzobispal, Huancayo. **Te:** 3009. **L.P:** Dir. Gen: M. Jacinto. Dir. Tec: J. Moran M. **Ann:** "R. Cultural 'La Merced' en su frecuencia de 4860kc onda corta y 1590kc onda larga". **V.** by letter. Recordings accepted. **F.Pl:** mw, 5kW sw.

20) Av. Wilson 1191, Lima. **Te:** 39808. **L.P:** Dir. Gen: A. S. Irei S. Dir. Tec: A. Telleria S. **D.Prgr: N:** Every 30 min's from 12.00–05.00. **Ann:** "Aqui R. Inca del Perú". **V.** by QSL-card. Recordings accepted.

21) Plaza de Armas, Cajamarca.

22) Apt. 25, Tingo Maria. **L.P:** Dir: T. Maldonado B.

23) Apt. 54, Nazca. **Te:** 2199. **L.P:** Dir: A. Cordoba B. St. Mgr: E. Cajo E. **Ann:** "OAX5N y OAX5X R. Nazca su companera musical transmite en sus frecuencias de 1490kc y 4790 ondas media y corta respectivamente de sus estudios en urbanizacion pencal, Nazca, Perú". **V.** by letter. Rp. Recordings accepted.

24) Cas. 210, Puno' **L.P:** Dir. Gen: R. Kearns. Dir. Tec: J. Amiel R. **Ann:** "R. Onda Azul, Escuelas Radiofonicas del Peru, Puno, en trabajo simultaneo con sus dos transmisores: 4800kc onda corta, 640kc onda larga". **V.** by QSL-card or letter. Recordings accepted.

25) Escuela Normal de Jaén, Jaén.

26) Alfonso Ugarte 12, Tumbes.

27) Jirón Lima 958, Iquitos. **Te:** 2740. **L.P:** Dir. Gen: M. Iglesias N. St. Mgr: M. Melendez C. **D.Prgr: N:** 12.00, 03.00 **V.** by letter.

28) Pasaje Macate 151, Huamanga. **L.P:** Dir: F. Cruz M.

29) Ca. Arequipa 100, Puno. **L.P:** Dir. Gen: J. Zea Gonzalez. Dir. Tec: R. Laso V. **Ann:** "La Emisora de los Mejores Programas" or "La Voz del Departmento mas poblado del Perú". **V.** by QSL-card.

30) Indiana, Prov. Maynas. **L.P:** Dir: L. Tremblay.

31) Teodoro Cardenas 641, Lima. **Te:** 80524. **FM:** 103.5 MHz 5kW.

32) Plaza de Armas 106, Sicuani. **Te:** 97. **L.P:** Dir. Gen: E. Romana M. **V.** by letter.

33) Apt. 277, Iquitos. **L.P:** Dir J. Reátegui B. Dir. Tec: M. Pannduro. **Ann:** "Una Voz loretana para el Perú y el Mundo" or "La Emisora delos mejores programas". **V.** by QSL-card.

34) Ca. Antonio Trelles 236, Andahuaylas. **L.P:** Dir: T. Muñoz I.

35) Sucre 556, Sullana.

36) Ca. San Martin 126, Iquitos. **Ann:** "La Voz de la Juventud Loretana en el Cielo Amazónico".

37) Colón 260, Callao. **Te:** 91000. **L.P:** Dir. Gen: A. Salazar P. Dir. Tec: C. Freund. **Ann:** "OBX4W 1400kc y OCX4B, transmite R. Callao" or "La Voz del Primer Puerto del Peru". **V.** by letter. Recordings accepted. **F.Pl:** 10kW.

38) Av. Manco Cápac 333, La Victoria. **L.P:** Dir. Tec: J. Seminario. **Ann:** "R. Once Sesenta, la primera emisora dedicada a la mujer".

39) Virrey Toledo 468, Huancavelica. **L.P:** Dir: F. Cruz M.

40) Apt. 96, La Merced. **Te:** 68. **L.P:** Dir: A. Espejo P. **Ann:** "R. Chanchamayo OAZ4S 1130kc y OAZ4T 4895kc, onda corta, banda de 60 metros transmite R. Chanchamayo desde La Merced, Capital Cafelera del Peru, emisora, afiliada a la Cadena Nacional de R. Victoria". **V.** by letter or QSL-card. Recordings accepted.

41) Jiron Zepita 450, Trujillo. **L.P:** C. Burmester B.

42) Av. El Sol 830, Cuzco. **L.P:** Dir: R. Montesinos E. **Ann:** "La Emisora de los grandes exitos".

43) Zepita 439, Trujillo. **Ann:** "R. La Hora, la emisora de los exitos."

44) Ca. Arequipa 323, Puno.

45) Sede del Concejo Provincial de Abancay, Abancay.

46) Cas. 31, Tarapoto. **L.P:** Mgr: J. Pablo M. Dir: C. Augusto S.

# Peru

Dir. Tec: V. Lack. D.Prgr: N: 12.30, 17.30. Ann: "R. Tropical transmite con sus tres Poderosas Ondas desde Tarapoto, Departmento de San Martin". V. by QSL-card or letter. Recordings accepted.
47) Apt. 657, Arequipa. L.P: Mgr. R. Zuñiga G.
48) Jiron Huánuco 488, Tarma.
49) Av. Echenique 140, Huacho. L.P: Dir: José E. Cavero.
50) Puerto Maldonado, Madre de Dios. L.P: Dir: Joaquin B. Dir. Tec: T. Guerrero. Ann: "Emisora Madre de Dios en Maldonado, Emisora Cultural al servicio de la Inglesia Católica".
51) Cas. 24, Huanta.
52) Av. Balta 413, Chiclayo.
53) Piura. L.P: Dir: J. Palacio P.
54) Esq. Puno y Cuzco, Puerto Maldonado. L.P: Dir: R. Montesinos
55) Ca. Tandapata 715, San Blas, Cuzco. Te: 4120. LP.: Dir. E. F. Gonzáles P. V. by QSL-card.
56) Chulucanas. L.P: Dir: J. Palacio P.
57) Ca. Real 319, Chilca, Huancayo. L.P: Dir: F. Cruz M. Ann: "Del centro urbano más importante transmite R. Andina". V. by letter.
58) Ca. Comercio 301, Jaén. L.P: Dir: A. Vilchez R.
59) Ca. Morona 20, Iquitos. L.P: Dir: F. Reátegui S.
60) Av. Huayna Capac 1345, Pisco. L.P: Dir: A. Pereyra B.
61) Ca. 9 de Diciembre 199, Juliaca. L.P: Dir. Gen: J. Zea González. Dir Tec: V. Urviola Ann: "Desde el corazon de los Andes". V. by letter
62) Apt. 76, Quillabamba. Te: 33. L.P: Dir: C. L. Llana S. Dir. Tec: E. Cervero D. D.Prgr: N: 12.00, 03.00. Ann: "OAX7Q R. Quillabamba en el Selva Peruano y las Orillas del Rio Vilcanota". V. by letter. Rp. Recordings accepted.
63) Jorge Chávez 418, Ayaviri. Te: 127. L.P: Dir. Gen: J. A. Solórzano M. Dir. Tec: G. Valdivia M. D.Prgr: N: 22.00 (Quechua). 02.00 (Spanish). Ann: "R. Ayaviri, La Voz de Melgar". V. by letter,
64)Cas. 90, Ilo. Te: 196. L.P: Dir. Gen: L. Sardón U. St. Mgr: A. Sardon U. Dir. Tec: R. Quirogan G. D,Prgr: N: 17.30, 01.00. Ann: "En transmision OAX6U 5035kc banda tropical de onda corta R. Ilo la freq. de oro llevando hasta vuestros hogares en mensaje de peruanidad desde la costa Sur del Perú". V. by letter.
65) Pablo Bermudez 214, Lima.
66)Plaza de Armas s/n, Tumbes. Ann: "La Voz de la Juventud".
67) Cas. 40, Cuzco. Te: 3063. L.P: Dir: Dr. A. Barrionuevo S. Dir. Tec: A. Rueda Gonzales D.Prgr: N: 17.30 & headlines at every 50 min of the h. Ann: "Estas son emisoras peruanas, R. Onda Imperial desde Cuzco, Peru". V. by QSL-card and letter.
68) Jr. Huaraz 198, Tarma.
69) Cas. 187, Huancayo. L.P: Dir: A. Elejalde G. Ann: "La Voz de Centro del Perú" or 'OCX4D y OAX4P, R. Huancayo La Voz del centro del Perú".
70) Apt. 130, Puno. L.P: Dir. Gen: H. Carjabal D. St. Mgr: H. de Carjabal. Dir. Tec: L. Reyes B. D.Prgr: 1030kc: 11.00–05.00 in Spanish; 5960kc: 12.00–04.00 (English 03.00–04.00). N. in Spanish: 12.00, 18.00, 02.00. Ann: Sp: "Desde Puno Capital Folklórica del Perú, R. La Voz del Altiplano". E: "From Puno City, The Folklore Capital of Peru, R. La Voz del Altiplano". Int-Sig: First movement from "Himno al Sol" compesed by R. Huirse. V. by QSL-card or letter.
71) Av. José Galvez 1040, Santa Beatriz, Lima. Te: 33905.
72) Av. Arequipa 1110, Lima. Te: 34240. L.P: Dir: H. Delgado P. Dir. Tec: M. Flores; D.Prgr: N: 13.00, 14.00, 15.00, 16.00, 17.30, 17.45, 19.00, 20.00, 21.00, 22.00, 23.00, 00.00, 01.00, 02.00, 03.00, 03.15, 04.00, 05.00. Ann: "Sabe quien transmite? R. Panamericana" or "Panamericana ciudad de Lima". V. by letter.
73) Rosales A. Tumbes. V. by letter.
74) Av. Tacna 225, Lima. Te: 32117. L.P: Mgr: J. Cavero. Dir. Tec: E. Lastarria. Int-Sig: First movement of Beethoven's 5th Symphony. V. by letter.
75) Iquitos. V. by letter.
76) Ca. Sucre 409, Arequipa. L.P: Dir: M. J. Landa. V. by QSL-card.
77) Apt. 657, Arequipa. L.P: Mgr: R. Zuniga G. Ann: "La Voz del Misti".
78) Av. Independencia, Arequipa. L.P: Mgr: J. A. Umbert. Ann: "OAX6C, OAX6D y OAX6E Emisoras de R. Continental de Arequipa".
79) Jirón Raymondi 185, Pucallpa. L.P: Dir: A. Chaque. V. by letter.
80) Colmena 624, Lima. Te: 70350. Cable: Onda Lima. L.P: Dir Gen: H. Doberti. Dir. Tec: G. Rojas. D.Prgr: N: 03.30. Ann: "R. Onda PO-PU-LAR". V. by QSL-card. Recordings accepted.
81) Av. Petit Thouars 441, Lima. Te: 42128. L.P: Dir. Gen: G. Lazarte E. Dir. Tec: R. Raggio & R. Pflucker. Ann: R. Nacional del Peru, la primera emisoras del pais". V. by QSL-card.
82) Jr. Union 733, Lima. Te: 77541. L.P: Dir: M. Luna. Dir. Tec: D. Capella.
83) Cas. 113, Tacna. V. by letter.
84) Av. Abancay 377, Lima. Te: 70204. FM: 101.5MHz, 5kW.
85) Av. Tacna 665, Lima. Te: 83150, L.P: Dir. Gen: J. Silva.
86) Ca. Shapi 601, Cuzco. L.P: Dir: C. Lizárraga. Ann: "La Voz de la Capital Arquelogica de América".
87) Apt. 128, Cerro de Pasco. L.P: Dir: L. Rosazzo. Ann: "Radiodifusora Cerro d ePasco S.A, Afiliada a la Federeación Paruana de R-dif. y Cadena Nacional de Emisoras".
88) Av. Balta 628, Chiclayo. L.P: Dir: J. C. Montjoy. Ann: "La Voz del Norte para todo el Perú" or "La Emisora que esta mas tiempo en su dial". V. by letter.
89) Obispado de Chachapoyas.
90) Ca. Dario 313, Yauli. L.P: Dir: F. Cruz M.
91) Av. Manco Capac 333, La Victoria, Lima. Te: 43441. L.P: Dir: A. Belmont. Dir. Tec: J. Farfan. Ann: "Transmite R. Excelsior la emisora mas criolla del Perú".
92) Ucayali, Pucallpa. L.P: Dir. Gen: D. Zevallos R. Dir. Tec: M. Iwamoto.
93) Plaza de Armas, Edif. de la Beneficencia 303, Trujillo. L.P: Dir: J. Castro. Ann: "Laz Voz del Norte del Perú". V. by letter.
94) Apt. 19, Cerro de Pasco. Ann: "La Voz de Cerro de Pasco".
95) Av. Larco 760, Miraflores, Lima. Te: 57594.
96) Esq. Petit Thouars 3ra Cuadra, Lima. Te: 42881. L.P: Dir. O. Dianderas. Dir. Tec: W. Cross. D,Prgr: N: 17.45, 03.00. Ann: "Transmite R. Lima, indicando las siglas correspondientes". V. by letter.
97) Ca. Tacna 871, Piura. Ann: "La Decana del Departamento". V. by letter.
98) Ca. Arica 30, Iquitos. L.P: Dir: R. Curzado. Ann: "Desde el Corazon de la Amazina Peruana transmite R. Loreto La Voz del Oriente Peruano" or "Transmite R. Loreto desde Iquitos".
99) Cas. 188, Tacna. L.P: Dir: J. Cáceres. Ann: "Transmite R. Tacna y La Voz del Sur simultaneamente". V. by letter.
100) Belén 1038, Lima. Te: 38091. L.P: Dir: G. D. Brandt. Dir. Tec: A. Gonzalez A. Ann: "En su receptor y en todas partes R. Central, La Emisoras más Popular".
101) Av. Nicolas de Pierola 1014, Lima. Te: 81885. Ann: "Esta es OAX4N, R. Selecta de Lima, una emisora al servicio de la cultura musical del pais".
102) San Martin 251, Ica.
103) Jirón Cuzco 107, Huaraz. Te: 2360.
104) Altos Cine Talara, Talara.
105) Paseo Colón 299, Lima. Te: 45035.
106) Jirón Cuzco 850, Piura. L.P: Dir: J. Giron S.
107) Jirón 2 de Mayo 642, Chachapoyas, Dept. Amazonas. L.P: Dir: M. Muñoz C. Dir. Tec: M. R. Fernández. D.Prgr: N: 14.00, 18.00, 04.00. Ann: "Esta es R. Nor Peruana, el Oriente del Perú que dice presente, transmitiendo por sus frec. OAX9F 1270kc onda larga y OAX9G 9655kc onda corta, desde la Fidelisma ciudad de Chachapoyas, Dept. Amazonas". V. by letter.
108) Jr. Unión 521, Lima. Te: 76911. Cable: Team Lima. L.P: Dir. Gen: N. F. Mydske. Mgr: E. Paredes. Dir. Tec: J. Newing. D.Prgr: N: 12.10, 12.30, every h from 13.00–18.00 and from 22.00–03.00.Ann: "Desde Lima transmiten R. del Pacifico y R. del Pacifico FM". V. by letter. Prgr. schedule free. FM: 102MHz 1kW.
109) Jr. Camaná 615, Of. 802, Lima. Te: 73074. Ann: "En 1440kc R. Continente, el punto de sintonia en Lima, Perú".
110) Ca. San Bernardo 132, Cuzco.
111) Coronel Portillo 446, Pucallpa. L.P: Dir: F. Rodriguez R.

Medium Waves:
112) **La Voz de Oriente**, Av. Abancay 210, Lima.
113) **R. Progreso**, Av. Bolognesi 571, Chimbote.
114) **R. Constelación**, Conde de Nieva 125, Ica. L.P: Dir: J. Panizzo
115) **R. Nacional**, Puno.
116) **R. Barranca**, Av. Grau 270, Barranca.
117) **R. Chepén**, Ca. Lima 597, Chepén Libertad.
118) **R. Inca Garcilazo**, Av. de la Cultura, Cuzco.
119) **R. Regionalista**, Av. Salaverry s/n, Ica. L.P: Dir: A. Nieri B.
120) **R. Ondas del Norte**, Av. Victor Larco s/n, Trujillo.
121) **R. Progreso**, Av. de la Marina, Manzana HG, San Miguel.
122) **R. Mundo**, Manuel Ruiz 504, Chimbote. L.P: Dir: J. Castro S.
123) **R. Ilave**, Av. Jauregui s/n, Juliaca. L.P: Dir: J. Cornejo P.
124) **C.R.U**, Urbanización California, Trujillo.
125) **R. San Juan**, Ca. Derecha 483, Huaral. L.P: Dir: S. Kong M.
126) **R. Sur Medio**, Av. Arenales s/n, Ica. L.P: Dir: M. Delgado P.
127) **R. San Antonio**, Ca. Pablo Nosiglia 235, Cañete.
128) **R. Sudamericana**, Independencia 565, Trujillo.
129) **R. Libertad**, Jirón Belen 1038, Lime.
130) **R. Casma**, Ca. Manco Capac 115, Casma.
131) **R. Nor Peru**, Jirón Arica 1030, Chiclayo. L.P: Dir: J. Tajeda T.
132) **R. La Montaña**, Fco Irazola Manzana 10, Satipo.
133) **C.R.U**, Camino A. Pimentel, Chiclayo. L.P: Dir: G. Delgado B.
134) **R. Heróica**, Elias Aguirre 828, Chiclayo.
135) **R. Bolognesi**, Jirón Loreto 359, Huancayo.
136) **R. Wilcamayo**, Apt. 129, Sicuano. L.P: Dir: R. Aguilar C.
137) **R. Dios Sesenta**, Av. Colonial 1512, Titular, Lima.
138) **R. Centinela**, Av. Los Incas, Pto. S. Juan, Marcona, Nazca.
139) **R. Salcantay**, Ca. Almirante s/n, Cuzco.
1140) **R. Miranon**, Chachapoyas, Amazonas.
141) **R. Musical** Cra. Panamericana Nte. Km 187.5, Barranca. L.P: Dir J. Lesmar.
142) **La Voz de Lucanas**, Piquio, Prov. de Lucanas.
143) **R. Imperial**, Ca. 2 de Mayo 573. Cañete.
144) **R. Latinoamericana**, Ca. Independencia s/n, Ica.
145) **R. Centro**, Pilcomayo, Huancayo. L.P: Dir: Luis Petrick M.
146) **R. Chinchaysuyo**, Jirón Maurta 189, Chincha Alta.
147) **R. Huascarán**, Gamarra 104, Huaráz. L.P: Dir: H. Barrenechea
148) **R. Mariana**, Sede del Vicariato Apostólico de Iquitos, Iquitos.
149) **R. Universo**, M. Orbegoso 266, Trujillo.
150) **R. San Pedro de Grocio Prado**, Av. Progreso s/n, Dist. Grocio Prado, Chincha. L.P: Dir: D. Villa de la Cruz.
151) **R. Albujar**, Ca. Victoris 299, Guadalupe.

152) **R. Selecciones**, Moguegua 648, Tarma. **L.P:** Dir: C. Anagua Ch.
153) **R. La Merced**, Av. Junin 163, La Merced. **L.P:** Dir: T. Fidehl F.
154) **R. Noticias**, Jr. Callao 458, Lima.
155) **R. Atalaya**, Manco Capac 333, La Victoria, Lima.
156) **R. Latina**, Ca. San Martin 561, Tacna. **L.P:** Dir: C. Urday B.
157) **R. Chincha**, Los Angeles 322, Chincha. **L.P:** Dir: C. Jordán C.
158) **R. Huaral**, Av. Cahuaz 447, Huaral.
159) **R. Ayacucho**, 28 de Julio 203, Ayacucho.
160) **R. Jauja**, Jirón Bolognesi 522, Jauja.
161) **R. San Francisco**, Av. Sánchez Cerro 450, Piura.
162) **R. Interamericana**, Alfonso Ugarte 441, Chimbote.
163) **E. Exito**, Jr. Callao 159, Huacho.
164) **R. Sargento Lores**, Inspeccion Gen. del Ejercito, Iquitos.
165) **R. Abancay**, Ca. Lima 206, Abancay.
166) **R. Huancavelica**, Chachapoyas 104, Huancavelica.
167) **R. Atahualpa**, Cajamarca. **L.P:** Dir: J. Castro S.
168) **E. El Pueblo**, Pasaje Diaz s/n, Ica. **L.P:** Dir: P. Flores M.
169) **R. Perú**, Jr. Trujillo 628, Chepén. **L.P:** Dir: I. Verástegui B.
170) **R. Toquepala**, Campamento de Empleados Toquepala, Tacna.
171) **R. San Isidro**, Av. Arequipa 3755, Lima.
172) **R. Oriente**, Av. Bolivar 14, Yurimaguas.
173) **R. Catacaos**, Ca. Comercio 590, Catacaos.
174) **R. Apurimac**, Abancay. **L.P.:** Dir: R. Montesinos.
175) **R. Universal**, Ca. Real 578, Tambo. Huancayo.
176) **R. El Tiempo**, Ca. Santa Marta 310, Arequipa.
177) **R. Internacional**, Av. 8 de Setiembre 210, Pisco.
178) **R. Imperial**, Ca. Bolivar 554, Junin. **L.P:** Dir: A. Torres A.
179) **R. La Voz del Sur**, Ca. Aniceto Ibarra 436, Tacna.
180) **R. Imperio**, Ca. República 139, San Carlos, Chiclayo.
181) **R. Sur Peruana**, Apt. 514, Arequipa.
182) **R. Santa Rosa**, Camana 152, Lima.
183) **R. Moquegua**, Sede de la Soc. Filarmónica, Moquegua.
184) **R. Fessa**, Av. Mariscal Benavides, Canete.
185) **R. Sudamericana**, Ca. Junin 57, Pacasmayo.
186) **R. Universidad**, Univ. Nacional de San Augustin, Arequipa.
187) **R. Reloj**, Jr. Ocoña 484, Lima. **D.Prgr:** 24h.
188) **R. La Nueva Voz de Centro**, Real Tambo 600, El Tambo.
189) **R. San Pedro**, Av. 27 de Octubre, Mala. **L.P:** Dir: R. Pachas C.
190) **R. Universidad**, Local de la Universidad Nacional del Cuzco.
191) **R. Prelatura Nullius de Sicuani**, Apt. 46, Sicuani, Cuzco.
192) **R. Universal**, José y Garcia 164, Huacho. **L.P:** Dir: C. Minaya
193) **R. Agricultura**, Paseo Colón 417, Lima.

## SURINAM

**L.T:** GMT — 3½ h — **Pr.L:** Dutch, Talkie, Hindustani.

**RADIO APINTIE (Comm.)**
**ADDR:** P.O. Box 1838. Paramaribo. **Te:** 5224. **Cable:** Fructomel.
**STATION:** PZX7 840kHz 355m 1kW - **HOME SCE.** in Dutch, Talkie-Talkie, English, Hindustani, Javanese, Chinese: 08.00–03.30.
**ANN:** "R. Apintie, Paramaribo" – **INT-SIG:** The beat of the Apintie drum – V. by letter.

**RADIO PARAMARIBO (Comm.)**
**ADDR:** P.O. Box 975, Paramaribo. **Te:** 4131. **Cable:** Rapar.
**STATION:** 600kHz 10kW – **HOME SCE.** in Dutch, Talkie-Talkie, English, Hindustani, Javanese, Chinese: 09.30–03.30 – **ANN:** "R. Paramaribo Rapar, de stem van Suriname, op de 500m of 600kHz". E: "R. Paramaribo Rapar, the voice of Surinam, operation on a freq. of 500m or 600kHz".

**R. NICKERIE N.V. (Priv, Comm.)**
**ADDR:** Waterloo-stroot, Nieuw Nickerie. **STATION:** 3240kHz 92.59m 0.075kW – **HOME SCE.** in Dutch, Hindu: 23.00–04.00.

**RADIKA (Priv.)**
**ADDR:** Paramaribo H **STATION:** 640kHz 468.8m 1kW.

**STICHTING RADIO OMROEP SURINAME (Gov, Comm.)**
**ADDR:** P.O. Box 271, Paramaribo. **Te:** 98115 – **L.P:** Gen.Mgr: W. H. Cromwell. Dir.Tec: I.Sorbar.
**STATIONS:** 725kHz 411m 50kW – **FM:** 93.1MHz 0.01kW.
**HOME SCE.** in Dutch, Negro English, Hindi, Indonesian: 09.30–03.30. N: Every h on the h. English: 00.00.
**ANN:** "This is SBC, the Suriname Broadc. Corpo. broadc. from Paramaribo, the Capital City" – V. by QSL-card or letter. Recordings accepted. – **F.PI:** Shortwave operation planned for 1968.

## URUGUAY

**L.T:** GMT – 3 h – **Pr.L:** Spanish.

**DIRECCION DE RADIOCOMUNICACIONES, Montevideo.**
**L.P:** Dir. Gen: R. Buoncristiano.

**ASOCIACION NACIONAL DE BROADCASTERS URUGUAYOS (ANDEBU)**
**ADDR:** Ca. Yi 1264, Montevideo. **Te:** 84456. **Cable:** Andebu. **L.P:** Pres: Dr. J. Jiménez de Aréchaga. Secr. of the General Board: F. Raul Correa. Secr. Gen: Dr. L. Alberto Solé.
**STATIONS:** All st. comm. exc. 7), 33), 34). *=inactive.
**Short Waves:** Call: CX—. Location: Montevideo exc. where indicated.

| | Call | | kHz | m | kW | Name & h of tr. |
|---|---|---|---|---|---|---|
| 1) | A2 | | 6000 | 50.00 | 5 | R. Sur: 10.00–03.00 |
| 2) | A30 | | 6035 | 49.71 | 1 | R. Nacional: 15.00–03.00 |
| 3) | A61 | * | 6045 | 49.63 | 1 | R. Sport |
| 4) | A53 | | 6055 | 49.55 | 5 | La Voz de Melo, Melo: 10.00–03.00 |
| 5) | A3 | | 6075 | 49.38 | 2,5 | R, Ariel: 10.00–03.00 |
| 6) | A73 | | 6115 | 49.06 | 1 | R. Clarin: 11.00–02.00 |
| 7) | A4 | | 6125 | 48.98 | 10 | S.O.D.R. E13.00–03.10 |
| 8) | A20 | | 6148 | 48.80 | 10 | R. Monte-Carlo: 10.00–03.00 |
| 9) | A13 | * | 6155 | 48.74 | 10 | R. Carve |
| 10) | A21 | | 6170 | 48.62 | 1 | R. Fenix: 14.00–16.00, 21.00–01.00 |
| 11) | A71 | | 9515 | 31.53 | 10 | R. Sarandi: 15.00–22.00 |
| 8) | A72 | | 9595 | 31.27 | 10 | R. Monte-Carlo: 14.00–19.00 |
| 7) | A6 | | 9620 | 31.19 | 20 | S.O.D.R.E: 13.00–03.10 |
| 12) | A7 | | 11735 | 25.56 | 5 | R. Oriental: 10.00–04.00 |
| 3) | A19 | * | 11835 | 25.35 | 5 | El Espectador |
| 11) | A68 | | 11885 | 25.24 | 10 | R. Sarandi: 22.00–01.00 |
| 7) | A10 | | 11900 | 25.21 | 20 | S.O.D.R.E: 13.00–03.10 |
| 4) | A64 | | 15225 | 19.70 | 25 | La Voz de Melo |
| 7) | A18 | | 15270 | 19.65 | 1 | S.O.D.R.E: 12.00–03.10 |
| 11) | A60 | | 15385 | 19.49 | 10 | R. Sarandi: 01.00–08.00 |

**Medium Waves:** °=Short Wave.

| | Call | kHz | kW | | Call | kHz | kW |
|---|---|---|---|---|---|---|---|
| 13) | CW1 | 550 | 4.5 | 27) | CX42 | 1370 | 2.5 |
| 6) | CX58 | °580 | 0.5 | 28) | CW45 | 1390 | 0.25 |
| 14) | CX4 | 610 | 5 | 29) | CX140 | 1400 | 10/5 |
| 7) | CX6 | °650 | 50 | 30) | CX44 | 1410 | 5 |
| 15) | CW27 | 680 | 1/0,25 | 31) | CW133 | 1420 | 0.25 |
| 11) | CX8 | °690 | 10/5 | 32) | CW43 | 1420 | 1/0.5 |
| 5) | CX10 | °730 | 5/2.5 | 33) | CW25 | 1430 | 1 |
| 12) | CX12 | °770 | 25 | 34) | CX46 | 1450 | 5/2.5 |
| 3) | CX14 | °810 | 25 | 35) | CW46B | 1460 | 0.25 |
| 16) | CW23 | 820 | 1/0.5 | 36) | CW46C | 1460 | 0.03 |
| 9) | CX16 | °850 | 50 | 37) | CX147 | 1470 | 1.05 |
| 3) | CX18 | °890 | 10/5 | 38) | CW43B | 1480 | 1 |
| 17) | CW17 | 900 | 0.25 | 39) | CX48 | 1490 | 2 |
| 8) | CX20 | °930 | 10 | 40) | CW47B | 1510 | 0.1 |
| 18) | CX22 | 970 | 1 | 41) | CX152 | 1520 | 2/0.25 |
| 9) | CX24 | 1010 | 20 | 42) | CX50 | 1530 | 1.25 |
| 7) | CX26 | °1050 | 20 | 43) | CV153 | 1530 | 1 |
| 19) | CX28 | 1090 | 15 | 44) | CX155 | 1550 | 0.25 |
| 20) | CW31 | 1120 | 2.5 | 45) | CW51 | 1560 | 0.5 |
| 2) | CX30 | °1130 | 10/5 | 46) | CX156 | 1560 | 1 |
| 1) | CX32 | °1170 | 10/5 | 47) | CV156 | 1560 | 0.7 |
| 21) | CX33 | 1200 | 1 | 48) | CW52 | 1570 | 0.25 |
| 22) | CX34 | 1210 | 2 | 49) | CV157 | 1570 | 0.1 |
| 23) | CW35 | 1240 | 2.5 | 50) | CX157 | 1570 | 1 |
| 24) | CX36 | 1250 | 3.1 | 51) | CW54 | 1580 | 0.25 |
| 3) | CW37 | 1260 | 1/0.25 | 52) | CV158 | 1580 | 0.1 |
| 7) | CX38 | °1290 | 1 | 53) | CX159 | 1590 | 0.25 |
| 25) | CW39 | 1320 | 0.5/0.1 | 54) | CW56 | 1600 | 0.25 |
| 10) | CX40 | °1330 | 1 | 55) | CV160 | 1600 | 0.1 |
| 4) | CW53 | °1340 | 2.5/1 | 56) | CX160 | 1600 | 1 |
| 26) | CW41 | 1360 | 5 | | | | |

**Short Waves:**
1) Compañia Uruguaya de Publicidad S.A, Yi 1383, Montevideo. **L.P:** Dir: J. L. E. Amoroso. CXA32 R. Sur.
2) O.R.O.S.A, Plaza Indpendencia 846, Montevideo. **L.P:** Dir: L. Svirski. CXA30 **R. Nacional. V.** by QSL-card.
3) Difusoras del Uruguay S.A, Soriano 1287, Montevideo. **Te:** 81481. **Cable:** Difuruguay. **L.P:** Dir. Gen: H. Amengual. Dir. Tec: R. Danilo V. **D.Prgr:** CX18 R. **Libertad Sport:** 10.00–03.00, CW37 **Difusora Rochense.** Dr. Julián Graña 119, Rocha: 11.00–24.00. **Ann:** "Transmite CX14 El Espectador, de Montevideo, Uruguay con sus ondas cortas CXA19 y CXA61 en las bandas de 25 y 49 m". **Int-Sig:** Vibraphone. V. by letter. Recordings accepted.
4) Montevideo 721, Melo. **L.P:** Dir: R. D. Lucas. **D.Prgr:** CW53 11.00–03.00.
5) Olimar 1472, Montevideo. **L.P:** Dir: J. U. Pierri. V. by QSL-card.
6) Colónia 1487, Montevideo. **Te:** 405841. **L.P:** Dir: Ing. F. D. Toureilles. Dir. Tec: G. Duarte. **D.Prgr:** N: 11.00, 13.00, 15.00, 19.00, 21.00, 23.00, 01.00. **Ann:** "Transmite CX58 Clarin, 58 en su dial, y su onda corta CXA73 en la banda de 49 metros, República Oriental del Uruguay". V. by letter.
7) Mercedes 823, Montevideo. **Cable:** Sodre. **L.P:** Dir: J. Zavala Carvalho, Dir. Tec: O. F. Chiappe. **D.Prgr:** On 650/9620/11900kHz: 13.00–03.10. CXA38: 21.00–03.00. N: 13.00, 15.00, 20.00 24.00, 02.55. **Ann:** "Servicio Oficial de Difusión R. Electrica Montevideo con sus emisoras". **Int-Sig:** First movements of "Campo". V. by QSL-card.
8) 18 de Julio 1224, Montevideo. **Cable:** Montecarlo. **L.P:** Dir. Gen: D. Romay. Dir.Tec: C. Beisso. **D.Prgr:** CXA20 930kHz: 10.00–03.00. CX20kHz: 24 h. V. by letter. Recordings accepted.
9) Mercedes 973, Montevideo. **Te:** 983471. **Cable:** Sadrep. **L.P:** Dir. Gen: R. Fontaina. Mgr. J. E. de Feo. Dir. Tec: A. Salvo. **D.Prgr:** 09.00–04.00 (mw). N: 10.00, 14.00, 15.00, 18,00, 19.00, 20.00, 21.00 22.00, 23.00, 24.00, 01.30. **Int-Sig:** Gong. **Ann:** "CX16 R. Carve de Montevideo con CXA13 en Onda Corta". V. by letter. Recordings accepted. Rp. **CX24:** "La Voz del Aire": 10.00–03.00.
10) Rio Branco 1366, Montevideo. **L.P:** Dir: J. J. Rabassa. **D.Prgr:** CX40: 10.00–05.00 (Sat 06.00).

11) Corporación de Publicidad, S.A, Enriqueta Compte y Rique 1282, Montevideo. Te: 28185. L.P: Dir: M. Vergara. D.Prgr: CX8: 08.00–03.00. N: every h on the h. V. by letter.
12) Olimar 1364, Montevideo. Te: 985183. L.P: Dir. Gen: J. Carlos Shaw. Dir. Tec: A. Razetti. D.Prgr: 10.00–04.00. N: 14.00, 16.00, 20.00, 23.00, 24.00, 01.00, 02.30, 03.30. Ann: "Transmiten CX12 y CXA7, emisoras de R. Oriental de Montevideo, Uruguay. Int-Sig: Vigraphone or Xylophone. V. by QSL-card and letter.

Medium Waves:
13) R. Colonia, Ca. Rivadavia 383, Colonia. L.P: Dir: R. Barreto.
14) R. Rural, 18 de Julio 1513, Montevideo.
15) R. Tabaré, Uruguay 678, Salto. D.Prgr: 10.00–03.00.
16) R. Cultural, Lavalleja 42-48, Salto. D.Prgr: 10.00 – 03.00.
17) R. Frontera, Garzón 428, Artigas.
18) R. Universal, Soriano 1217, Montevideo. D.Prgr: 10.00–03.00
19) R. Imparcial, Av. Algraciada 1708, Montevideo. D.Prgr: 24 h. V. by QSL-card.
20) R. Salto, Brasil 715, Salto. D.Prgr: 11.00–03.00. V. by letter.
21) Difusora Florida, Gallinal 696, Florida. D.Prgr: 13.00
22) R. Artigas, Av. Millan 2370, Montevideo. D.Prgr: 12.30–02.30.
23) R. Paysandú, 18 de Julio 1044, Paysandú. D.Prgr: 11.00–03.00.
24) Broadc. Centenario del Uruguay, Olimar 1364, Montevideo.
25) La Voz de Paysandú, 18 de Julio 614, Paysandú.
26) Broadc. San José, Treinta y Tres 890, San José.
27) R. del Pueblo, Mercedes 1805, Montevideo. D.Prgr: 11.15–03.00.
28) Difusora Treinta y Tres, Pablo Zufriategui 230, Treinta y Tres.
29) R. Zorilla de San Martin, 18 de Julio 304/10, Tucuarembó.
30) R. Austral, 18 de Julio 965, Montevideo.
31) La Voz de Artigas, Lecueder 291, Artigas. Te: 47. D.Prgr: 10.00–03.00. V. by letter & QSL-card. Recordings accepted. F.Pl: 2.5kW power and sw-operation (4945kHz).
32) R. Lavalleja, José E. Rodó 530, Minas. D.Prgr: 12.55–02.00.
33) R. Durazno, Ca. Dr. E. Penza 805, Durazno. D.Prgr: 14.00–00.30.
34) R. América, Plaza Independencia 846, Montevideo.
35) Liceo de Dolores, Liceo de Dolores, Soriano.
36) Liceo de San Carlos, San Carlos, Maldonado.
37) R. Montevideo, Rio Branco 1366, Montevideo.
38) R. Internacional, Sarandí 792, Rivera. D.Prgr: 09.00–03.00
39) R. Femenina, 18 de Julio 1333, Montevideo. D.Prgr: 13.00–01.45.
40) R. Berna, Neuva Helvecia. D.Prgr: 10.00–16.30, 18.00–23.00.
41) R. Cerro Largo, Ituzaingo 660, Melo. D.Prgr: 09.00–03.00.
42) R. Independencia, Paysandú 1186, Montevideo.
43) R. Rincón, Treinta y Tres 3223, Fray Bentos.
43) R. Rincón, Treinta y Tres 3223, Fray Bentos.
45) R. Maldonado, Isla de Gorriti 819, Maldonado.
46) R. Americana, Trinidad.
47) R. Vichadero, Av. Centenario, Vichadero.
48) R. Litoral, España 1157, Fray Bentos. D.Prgr: 12.00–02.00.
49) Difusora del Norte, Bella Union. D.Prgr: 11.00–03.00.
50) R. Canelones, Canelones. D.Prgr: 11.30–02.00.
51) Emisora del Este, Domingo Perez 491, Minas.
52) R. Rivera, Monseñor Vera 1132, Rivera.
53) Emisora Real de San Carlos, Av. Gral Flores 468, Colonia
54) Difusora Soriano, Florida 568, Mercedes. D.Prgr: 10.00–03.00.
55) R. San Carlos, Sarandí 774, San Carlos, Maldonado.
56) R. Rio Branco, Rio Branco.

## VENEZUELA

L.T: GMT – 4h – Pr.L: Spanish.

**MINISTERIO DE COMUNICACIONES**
ADDR: Dirección de Telecomunicaciones, Division de Radiodifusion Caracas.

**CAMARA VENEZOLANA INDUSTRIA RADIO Y TELEVISION**
ADDR: Apt. 3955, Caracas. Cable: Camradio. Te: 425805.
STATIONS: All st's comm. exc. (53) (Gov.) and 5) (Educational).
Short Waves: Call: YV——.

| | Call | kHz | m | kW | Name | h. of tr. |
|---|---|---|---|---|---|---|
| 1) | PL | 2340 | 128.4 | 1 | R. Nueva Esparta, Polamar | 10.00-04.00 |
| 2) | PH | 2350 | 127.6 | 1 | R. Guarico, San Juan de los Morros | |
| 3) | QG | 2360 | 127.1 | 0.5 | R. Carúpano | 09.00–03.00 |
| 4) | QP | 2370 | 126.1 | 1 | R. Puerto La Cruz | 10.00–04.00 |
| 5) | PM | 2430 | 123.5 | 1 | Escuelas Radiofonicas, San Fernando | 20.00–01.00 |
| 6) | LG | 2440 | 122.9 | 1 | R. Girardot, Maracay | 10.00–04.00 |
| 7) | OX | 2450 | 122.5 | 1 | R. Los Llanos, Calabozo | 10.00–04.00 |
| 8) | NI | 2470 | 121.5 | 0.2 | R. Carorá | 11.00–02.00 |
| 9) | PD | 2480 | 120.9 | 1 | R. Tiempo, Caracas | 10.00–04.00 |
| 10) | RV | 3205 | 93.60 | 1 | R. Litoral, Naiguatá | 09.00–02.00 |
| 11) | OE | 3215 | 93.30 | 1 | Ondas Panamericanas, | 10.00–04.00 |
| 12) | KV | 3235 | 92.74 | 1 | Emisora Vargas, La Guaira | 10.00–03.00 |
| 13) | KT | 3245 | 92.45 | 1 | R. Libertador, Caracas | |
| 14) | QL | 3255 | 92.15 | 1 | La Voz del Tigre | 11.00–03.00 |
| 15) | OC | 3265 | 91.87 | 1 | R. Nirgua | 10.00–04.00 |
| 16) | MC | 3275 | 91.60 | 1 | R. Mara, Maracaibo | 10.00–02.30 |
| 17) | LE | 3285 | 91.32 | 1 | R. Puerto Cabello | 10.00–04.00 |
| 18) | OG | 3295 | 91.10 | 1 | R. Trujillo | 10.30–02.00 |
| 19) | KX | 3305 | 90.77 | 1 | La Voz de la Patria, Caracas | 10.00–03.00 |
| 20) | LI | 3315 | 90.50 | 1 | R. Maracay | 11.00–03.00 |
| 21) | RA | 3325 | 90.22 | 5 | R. Monagas, Maturin | 10.00–04.00 |
| 22) | PE | 3345 | 89.68 | 1 | R. Central, Maracay | 10.00–04.00 |
| 23) | LC | 3355 | 89.41 | 1 | R. Valencia | 10.00–03.00 |
| 24) | PM | 3365 | 89.15 | 1 | R. Tovar, Tovar Mérida | 09.55–02.00 |
| 25) | MI | 3375 | 88.89 | 1 | La Voz de la Fé, Maracaibo | 20.00–04.00 |
| 26) | QI | 3385 | 88.63 | 1 | R. Barcelona | 09.00–03.00 |
| 27) | OJ | 3395 | 88.37 | 1 | R. Universidad, Mérida | 10.00–03.00 |
| 28) | PP | 4760 | 63.03 | 2 | R. Frontera, San Antonio | 10.00–04.00 |
| 29) | QE | 4770 | 62.89 | 1 | R. Bolivar, Ci. Bolivar | 10.00–03.00 |
| 30) | MW | 4770 | 62.89 | 1 | Ondas del Caribe, Punto Fijo | |
| 31) | LA | 4780 | 62.76 | 1 | La Voz de Carabobo, Valencia | 10.00–03.30 |
| 32) | QN | 4790 | 62.63 | 5 | Ondas Porteñas, Pto. La Cruz | 10.00–03.00 |
| 33) | MS | 4800 | 62.50 | 10 | R. Universo, Barquisimeto | 09.58–04.00 |
| 34) | MG | 4810 | 62.37 | 1 | R. Popular, Maracaibo | 10.00–03.00 |
| 35) | RC | 4820 | 62.24 | 1 | La Voz de Apure | 11.00–02.00 |
| 36) | OA | 4830 | 62.11 | 1 | La Voz del Táchira | 10.00–04.00 |
| 37) | OI | 4840 | 61.98 | 1 | R. Valera | 11.00–03.00 |
| 38) | KF | 4850 | 61.86 | 1 | Ondas Populares, Caracas | 10.00–04.00 |
| 39) | QE | 4860 | 61.73 | 1 | R. Mundo, Maracaibo | 10.00–04.00 |
| 40) | KP | 4870 | 61.60 | 5 | R. Tropical, Caracas | 10.00–04.00 |
| 41) | PA | 4880 | 61.48 | 10 | R. Yaracuy, San Felipe | 10.00–04.00 |
| 42) | KB | 4890 | 61.35 | 5 | R. Dif. Venezuela, Caracas | 10.00–04.00 |
| 43) | NK | 4900 | 61.22 | 10 | R. Juventud, Barquisimeto | 10.00–04.00 |
| 5) | PN | 4910 | 61.10 | 10 | Esc. Radiofonicas, San Fernando | |
| 44) | KR | 4920 | 60.99 | 7.5 | R. Caracas | 10.00–05.00 |
| 45) | OT | 4930 | 60.85 | 1 | R. Junin, S. Cristóbal | 10.00–04.00 |
| 46) | MO | 4940 | 60.73 | 10 | R. Lara, Barquisimeto | 09.58–04.00 |
| 47) | MM | 4950 | 60.60 | 1 | R. Coro | 10.00–03.00 |
| 48) | QA | 4960 | 60.48 | 1 | R. Sucre, Cumaná | 10.00–03.00 |
| 49) | LK | 4970 | 60.36 | 10 | R. Rumbos, Caracas | 09.30–04.00 |
| 50) | OC | 4980 | 60.25 | 10 | Ecos del Torbes, S. Cristóbal | 10.00–03.00 |
| 51) | MQ | 4990 | 60.12 | 10 | R. Barquisimeto | 10.00–04.00 |
| 52) | RW | 5010 | 59.88 | 1 | R. Boconó, Boconó | 10.00–04.00 |
| 53) | KO | 5020 | 59.76 | 10 | R. Nacional, Caracas | 10.00–04.00 |
| 54) | KM | 5030 | 59.64 | 10 | R. Continente, Caracas | 09.30–03.00 |
| 55) | QH | 5040 | 59.55 | 1 | R. Maturin | 10.00–04.00 |
| 56) | KD | 5050 | 59.41 | 2 | R. Cultura, Caracas | 10.00–03.00 |
| 57) | NL | 6000 | 50.00 | 1 | R. Miranda, Los Teques | 10.00–04.00 |
| 58) | NK | 6110 | 49.10 | 1 | R. Cabimas | 10.00–03.00 |
| 53) | KG | 6170 | 48.62 | 10 | R. Nacional, Caracas | 10.00–04.00 |
| 51) | XJ | 9510 | 31.55 | 10 | R. Barquisimeto | 11.00–02.00 |
| | MZ | 9530 | 31.48 | 1 | Various tr's, Maracaibo | |
| | OM | 9570 | 31.55 | 1 | Various tr's, S. Cristóbal | |
| 59) | OM | 9570 | 31.55 | 1 | R. San Cristóbal | 10.00–04.00 |
| 53) | SC | 9640 | 31.12 | 10 | R. Nacional, Caracas | 22.00–04.00 |
| 50) | PG | 9640 | 31.12 | 2.5 | Ecos del Torbes, S. Cristóbal | 10.00–22.00 |
| 24) | OS | 9750 | 30.77 | 1 | R. Tovar, Mérida | 10.00–04.00 |
| 28) | LS | 11725 | 25.58 | 1 | R. Frontera, San Antonio | 10.00–04.00 |

Medium Waves: Call: YV——; °) also Shortwave.

| Call | kHz | kW | Call | kHz | kW | Call | kHz | kW |
|---|---|---|---|---|---|---|---|---|
| 53) SI | 540 | 50 | 1) QX | °920 | 10 | 87) RR | 1160 | 10 |
| 53) SJ | 550 | 50 | 20) LJ | °930 | 10 | 88) SD | 1160 | 10 |
| 60) LX | 560 | 50 | 71) NN | 940 | 10 | 89) QV | 1170 | 10 |
| 53) SJ | 570 | 50 | 38) KG | °950 | 15 | 55) OR | °1180 | 10 |
| 25) MJ | °580 | 10 | 21) RB | °960 | 10 | 90) MB | 1180 | 10 |
| 54) KL | °590 | 20 | 28) OO | °960 | 10 | 91) RE | 1190 | 10 |
| 48) QB | °600 | 10 | 22) LR | °970 | 10 | 9) OZ | °1200 | 10 |
| 61) NO | 610 | 10 | 72) ND | 980 | 10 | 92) NH | 1200 | 1 |
| 62) SE | 620 | 10 | 14) MQ | °980 | 10 | 47) MN | °1210 | 1 |
| 53) KA | °630 | 10 | 40) RT | °990 | 10 | 93) QZ | 1210 | 10 |
| 53) SL | 630 | 10 | 36) OB | °1000 | 10 | 35) RD | °1220 | 10 |
| 32) QO | °640 | 10 | 73) NM | 1000 | 10 | 94) NT | 1230 | 10 |
| 6) LH | °650 | 50 | 74) PC | 1010 | 10 | 37) OH | °1230 | 1 |
| 63) NA | 660 | 10 | 75) SF | 1020 | 10 | 95) LQ | 1240 | 1 |
| 49) LL | °670 | 50 | 76) MX | 1020 | 10 | 96) QM | 1250 | 10 |
| 29) QF | °680 | 10 | 77) TD | 1030 | 1 | 58) ML | °1250 | 1 |
| 51) MR | °690 | 50 | 78) QY | 1030 | 10 | 15) RY | °1260 | 1 |
| 34) MH | °700 | 10 | 79) ON | 1040 | 10 | 11) OU | °1270 | 1 |
| 19) KY | °710 | 5 | 31) LB | °1040 | 10 | 97) TR | 1270 | 1 |
| 64) QR | 720 | 10 | 53) KZ | 1050 | 10 | 53) SQ | 1280 | 10 |
| 33) MT | °730 | 10 | 80) NU | 1050 | 1 | 98) NB | 1280 | 1 |
| 65) NC | 740 | 10 | 2) LN | °1060 | 1 | 17) LF | °1290 | 1 |
| 44) KS | °750 | 10 | 59) OE | °1060 | 10 | 99) KH | 1300 | 10 |
| 4) QQ | °760 | 10 | 12) KW | °1070 | 1 | 100) NS | 1300 | 1 |
| 66) KK | 770 | 50 | 89) PF | 1070 | 1 | 101) PG | 1310 | 1 |
| 50) OD | °780 | 10 | 82) OV | 1080 | 10 | 102) SG | 1320 | 5 |
| 49) KC | °790 | 5 | 26) QJ | °1080 | 10 | 7) OY | °1330 | 1 |
| 67) LP | 810 | 10 | 41) PB | °1090 | 10 | 103) QU | 1340 | 1 |
| 68) SH | 820 | 10 | 24) OP | °1100 | 10 | 104) NG | 1360 | 1 |
| 57) LT | °830 | 10 | 56) KE | °1100 | 10 | 105) LO | 1370 | 1 |
| 43) MY | °840 | 10 | 3) QT | °1110 | 10 | 52) OW | °1380 | 1 |
| 23) LD | °850 | 10 | 83) MF | 1120 | 10 | 106) SS | 1400 | 1 |
| 45) OL | °860 | 10 | 84) PZ | 1120 | 1 | 107) NY | 1410 | 1 |
| 29) QF | °860 | 10 | 10) RU | °1130 | 1 | 108) ST | 1410 | 5 |
| 13) KU | °870 | 5 | 85) PY | 1130 | 1 | 18) OF | °1420 | 1 |
| 46) MP | °880 | 10 | 8) NI | °1140 | 10 | 109) NJ | 1430 | 1 |
| 69) LW | 890 | 10 | 53) SM | 1140 | 1 | 110) FR | 1440 | 1 |
| 16) MD | °900 | 10 | 30) MV | °1150 | 1 | 27) OJ | °1450 | 1 |
| 70) RQ | 910 | 10 | 86) QD | 1150 | 1 | 4) QS | °1689 | 10 |

**Short Waves:**

1) Apt. 58, Porlamar. **Te:** 2270. **Cable:** Covder.
2) Apt. 25, S. Juan de los Morros. Te: 81. **L.P:** Dir. Gen: J. Ghersi. Dir. Tec: S. Domínguez C.
3) Apt. 590, Carúpano. Te: 1450. **L.P:** Dir: C. Pestana.
4) Apt. 4082, Puerto La Cruz. Te: 2057. **L.P:** Dir: R. E. Fuentes.
5) Oficina de Educación de Adultos, San Fernando.
6) Ca. Soublette Sur 11, Maracay. Te: 6495. **L.P:** V. R. Cordova.
7) Calabozo.
8) Ca. Bolivar 58, Carora, Estado Lara. **Te:** 1121. **L.P:** Dir: C. J. Gonzalez. **D.Prgr:** 11.00, 16.00, 21.30. **Ann:** "R. Carora YVMU 1140kc onda larga, YVN1 2470kc onda corta transmitiendo desde Carora capital del Distrito Torres, Estado Lara, República de Venezuela, Patria del Libertador". **Int-Sig:** Xylophone. V. by letter.
9) Ca. Villaflor 3, Caracas. Te: 722729. **L.P:** Dir: C. Sabino.
10) Av. Playa 1, Naiguatá. Te: 79. **L.P:** Dir: L. Landaeta L. Dir. Tec: R. Carvajal. Dir. Prgr: N. López G. **D.Prgr:** N: 11.00, 12.00, & every half h. **Ann:** "Esta Es R. Litoral, Una Emisora al Servicio de Colectividad transmitiendo desde Naiguatá, Rep. de Venezuela, Patria del Libertador, con sus Estudios Frente al Mar – en su Carro y en su Hogar los 1130kc en su dial". V. by QSL-card.
11) Apt. 31, El Vigia. Te: 1355. **L.P:** Dir: B. Menéses.
12) Av. Soublette, La Guaira. Te: 5401. **L.P:** Dir: P. Sosa Gusmán.
13) Palma Miracielos, Edif. "Henry Clay", 2do piso, Caracas. Te: 414973. **L.P:** Dir: L. Raymandi.
14) Apt. 430, El Tigre. Te: 1801. Dir: C. Poleo.
15) Edif. Yaracuy, Nirgua.
16) Apt. 100, Maracaibo. L.P: Dir: L. A. Goveá.
17) Apt. 4, Pto. Cabello. Te: 33–88. **L.P:** Dir. Gen: S. Guevara V. Dir. Tec: P. J. Curvelo. **D.Prgr:** N: 11.00, 03.00 and short N every half h. 10.00–04.00. **Ann:** "Esta es R. Puerto Cabello, una Emisora al servicio de su región desde Puerto Cabello, Venezuela, Patria del Libertador y País Democrático de America". V. by letter.
18) Ca. Independencia 200, Trujillo. Te: 1052. **Cable:** Radiotrujillo. **L.P:** Dir: P. J. Torres.
19) Apt. 4173, Caracas. Te: 425358. L.P: Dir: A. Mesa S. V. by letter.
20) Ca. Miranda Oeste 76, Maracay. Te: 5591. **L.P:** Dir: M. N. Vásquez.
21) Apt. 140, Maturin. Te: 1001. **Cable:** Covder. **L.P:** Dir Tec: R. Philips. **Ann:** "R. Monagas, YVRB 960kc onda larga, YVRA 3325kc onda corta banda de 90 metros YVRB/FM 88.5Mc". V. by letter. Re. in Sp, E.
22) Apt. 4545, Maracay. Te: 7296. **L.P:** Dir: A. Azuaje R.
23) Apt. 248, Valencia. Te: 4502. **L.P:** Dir: M. Aché G.
24) Cra. 4 No. 5–48, Tovar. Te: 188255. L.P: Dir: A. Sánchez P.
25) Apt. 459, Maracaibo. Te: 74764. **L.P:** Dir Gen: O. Soto L. Dir Tec: J. Salcedo. Dir. Prgr: A. Beltran. **D.Prgr:** 10.00–03.55. V.
26) Apt. 27, Bareclona. Te: 5540. **L.P:** Dir: E. Sotilo.
27) Apt. 74, Mérida. Te: 1090. **Cable:** Radiversidad. **L.P:** Dir: L. Paéz. **Ann:** "R. Universidad la Emisora de Mérida. V. by letter.
28) Apt. 338, San Antonio. Te: 1197. **L.P:** Dir: R. Carvajal. Dir: Prgr: L. Sanchez A. **D.Prgr:** N: 11.00, 22.00. **Ann:** "En el centro de su dial, transmite su emisora musical, R. Frontera la autencia emisora internacional de Venezuela YVOO 960kc, YVPP 4760kc en banda de 60m, YVLS 11725kc desde San Antonio del Táchira, la villa heroica en Venezuela, Patria del Libertador y puerta del Turismo en La America del sur". V. by QSL-card. Recordings accepted. **FM:** 104.1MHz 0.5kW.
29) Ca. Dalle Costa 5, Ci. Bolivar. Te: 20320 **L.P:** Dir: J. Antonio N. Dir. Tec: J. Bisconti. **D.Prgr:** N: 11.15, 16.30, 02.45. V. by QSL-card. **FM:** 93.54MHz 60kW.
30) Ca. Ecuador s/n, Punto Fijo. Te: 1764. **L.P:** Dir; J. G. Hurtador.
31) Av. 100 No. 97–100. **Cable:** Radiolavoz. Te: 3111. **L.P:** Dir: R. Martinez. V. by letter.
32) Apt. 4123, Puerto La Cruz. Te: 2146. **Cable:** Ondport. **L.P:** Dir. Gen: R. Bellorin M. Dir. Tec: R. Alfonzo. **Ann:** "Transmite Ondas Porteñas, la emisora que impera en Oriente, desde Puerto La Cruz, Venezuela, Patria del Libertador, Puerta del Turismo en América del Sur". **FM:** 168.4MHz V. by letter. Recordings accepted.
33) Apt. 567, Barquisimeto. Te: 20800. **Cable:** Universo. **L.P:** See 51). **D. Prgr: N:** 16.00, 23.00. **Ann:** "R. Universo, La Voz Amiga de Venezuela". V. by QSL-card. Recordings accepted. **FM:** 96.9MHz. (Official freq. 4880kHz).
34) Apt. 347, Maracaibo. Te: 72211. Cable: Radiopopular. **L.P:** Dir: J. Higuera M. V. by QSL-card.
35) Apt. 14, San Fernando Apure. Te: 2628. **L.P:** Dir: R. Cesteri. Dir Tec: J. Marcano C. Dir. Prgr: J. Antonio C. V. by QSL-card. **FM:** 101.9MHz.
36) Apt. 37, San Cristóbal. Te: 11002. **L.P:** Dir Gen & Dir. Tec: J. M. Diaz González. **Ann:** "La Voz del Táchira, YVOB 1000kc Onda Larga, YVOA 4830kc Onda Corta y YVOM 9750kc Banda Internacional de 31 mts; FM 88.3 y 98.3Mc por segundo, desde San Cristóbal, en Venezuela, Patria del Libertador y País Democrático de América". V. by QSL-card or letter. Re. in Sp, E.
37) Ca. Bolivar 54, Valera. Te: 1211. Dir: J. Ferbes J.
38) Apt. 2070, Caracas. Te: 628118. **L.P:** Dir: G. Ortega L. V. by QSL-card.
39) Maracaibo. **L.P:** Dir: A. J. Istúriz.
40) San Jacinto 9, Caracas. Te: 818331. **L.P:** D. J. Istúriz. **Ann:** "En cualquier sitio R. Tropical y su gran Circuito Nacional RC". V by QSL-card.
41) Avenida 5, San Felipe. Te: 1056. **L.P:** Dir. Gen: R. A. Segúra. Dir. Tec: L. M. Pick. **D.Prgr:** N: 11.00, 16.00, 23.00. V. by QSL-card. Recordings accepted. (Official sw freq. 4940kHz).
42) Cipreses a Miracielos 1, Caracas. Te: 414474. **L.P:** Dir: A. Raidi. **Ann:** "Radiodif. Venezuela – máxima en potencia y calidad – transmitiende desde Caracas, Venezuela, cuna del Libertador".
43) Apt. 567 y 576, Barquisimeto. Te: 20800. **Cable:** Radiojuventud. **L.P:** Dir. Gen: R. A. Segúra. Dir Tec: L. M. Pick. **Ann:** "R. Juventud, una emisora joven para la gente joven". V. by QSL-card.
44) Apt. 2058, Caracas. Te: 424916. **Cable:** Coraven. **L.P:** Dir. Gen: O. Yépez. **D.Prgr:** N: Every half h. **Ann:** "R. Caracas". V. byQ SL-card or letter.
45) Apt. 220, San Cristóbal. Te: 11929. **L.P:** Dir: P. Vivas Arellano.
46) Apt. 576, Barquisimeto. Te: 20800. **Cable:** Radiolara. **L.P:** Dir. Gen: R. A. Segúra. Dir. Tec: L. M. Pick. **Ann:** "R. Lara, la emisora musical de Lara". V. by QSL-card. **FM:** 101.7MHz (Official sw freq: 4800kHz).
47) Apt. 7424, Coro. **L.P:** Dir. Gen: R. Leyba. Dir. Tec: V. J. Róca. **Int-Sig:** Opens and closes with the march "Los Tres Colores" and the Nat. Anthem. V. by letter.
48) Apt. 26, Cumaná. Te: 1301. **L.P:** Dir: P. J. Morales. V. by letter.
49) Apt. 2618, Caracas. Te: 415963. **L.P:** Dir. Gen: N. Colmenares. Mgr: A. Serrano. Dir. Tec: A. Gulbis. **D.Prgr:** N: 10.00, 15.30, 21.30, 03.30. **Ann:** "Transmite R. Rumbos, La Emisora de Venezuela, Cadena Nacional". V. by QSL-card. Recordings accepted.
50) Apt. 152, San Cristóbal. Te: 11680. **Cable:** Ecostorbes. **L.P:** G. Gonzales L. Dir. Tec: E. Marques. **Ann:** "Desde San Cristóbal, Venezuela Patria del Libertador, transmite Ecos del Torbes, su Emisora Predilecta, Estaciones YVOC 4980kc onda corta, 780kc onda larga y YVPG 9640kc banda internacional de 31 metros". V. by letter. Recordings accepted. **FM:** 102.5MHz.
51) Apt. 576, Barquisimeto. Te: 20800. **Cable:** Radiobar. **L.P:** Dir. Gen: R. A. Segúra. Dir. Tec: L. M. Pick. **D.Prgr:** N: 11.00, 16.30 22.00, 03.30. V. by QSL-card. Recordings accepted.
52) Ca. Bolivar, Boconó. Te: 1485. L.P: Dir: E. Graaf Hernández. **D.Prgr:** N: 16.00, 01.00. **Ann:** "Esta es R. Boconó, transmitiendo desde Boconó, Estado Trujillo, Venezuela, Patria del Libertador". V. by QSL-card or letter. **FM:** YVOW 93.7MHz.
53) P.O. Box 3979, Caracas. Te: 720661. **L.P:** Dir. Gen: Dr. A. Pizani P. Dir. Tec: L. Linares C. Dir. Eng. Prgrs: G. Artiles. **D.Prgr:** YVKZ: 12.00–04.00. Relay st's 540kHz (Maracaibo), 550kHz. (Carupano), 570kHz (Ciudad Bolivar), 630kHz (KA=Caracas, SL=San Cristóbal), 1140 kHz (Mérida), 1280kHz (San Fernando de Apure).
54) Apt. 866, Caracas. Te: 551573. **Cable:** Caled. **L.P:** Pres: C. W. White. Dir. Tec: J. Périco. Dir. Prgr: J. Francisco Rodriguez. **D.Prgr:** N: 10.00, 15.00, 21.30. **Ann:** "Transmite R. Continente, la primera en calidad, YVKL onda larga, YVKM onda corta, desde Caracas, Venezuela, cuna del Libertador, país democrático de América". V. by letter. Re. in Sp, E. Recordings accepted.
55) Plaza Bolivar, Maturin. Te: 2015. **L.P:** Dir; R. Sifontes.
56) Apt. 1931, Caracas. Te: 410976. **L.P:** Dir. Gen: M. Pessil. **Ann:** "En el Año . . . de nuestra independencia desde Caracas, Venezuela, Cuna de El Libertador, transmite R. Cultura . . .". V. by QSL-card.
57) Ca. Ayacucho, Los Teques. Te: 2488. **L.P:** Dir: Dr. H. Arreaza.
58) Ca. Democracia, Cabimas. V. by letter.
59) Apt. 374, San Cristóbal. Te: 14300. V. by letter.

**Medium Waves:**

60) **R. La Villa**, Villa de Cura, Aragua.
61) **R. Libertad**, Apt. 205, Cabimas.
62) **R. Cristal**, Apt. 595, Barquisimeto.
63) **Ondas de los Médanos**, Ca. Bolivar, Coro.
64) **R. Cumaná**, Apt. 114, Cumaná.
65) **R. Mundo**, Av. 25, Maracaibo.
66) **R. Nacional**, Valencia.
67) **R. 810**, Girardot y Montes de Oca, Valencia.
68) **R. Guyana**, Ca. Miranda 2, Upata.
69) **R. América**, Apt. 117, Valencia.
70) **R. Aeropuerto**, Apt. 3333, Maiguetia.
71) **R. Punto Fijo**, Apt. 26, Punto Fijo.
72) **R. Servicio**, Apt. 1440, Maracaibo.
73) **R. Mil**, Cra. Panamericana, Morón.
74) **R. Aragua**, Av. Bolivar 26A, Cagua.
75) **R. Caripito**, Apt. 10167, Caripito.
76) **R. Calendario**, Apt. 789, Maracaibo.
77) **R. Valles del Tuy**, Occumare del Tuy.
78) **R. Guanare**, Ca. Sur 11, Guanare.
79) **R. Los Andes**, Apt. 47, Mérida.
80) **R. Caroni**, Ca. Ramirez 31, San Felix.
81) **R. Cordillera**, Ca. 15, Betijoque.
82) **R. Perijá**, Machiques.
83) **Ondas del Lago**, Apt. 261, Maracaibo.
84) **R. Zaraza**, Edif. Güarico, Zaraza.
85) **R. Amazonas**, Pto. Ayacucho.
86) **Ecos del Orinoco**, Apt. 47, Ci. Bolivar.
87) **R. Industrial**, Guarenas.
88) **R. Turismo**, Av. Bolivar, Valera.
89) **R. Acarigua**, Av. 13 No. 111, Acarigua.
90) **La Voz del Zulia**, Maracaibo.
91) **R. Barinas**, Av. Sucre El terminal, Barinas.

(continued page 264)

# DX-CLUBS OF THE WORLD

**AUSTRALIA: Australian Radio DX Club,** P.O. Box 227, Box Hill, Victoria 3128 (Publ: "Australian DX News") — **Branches:** Victorian Branch: 31 Dunfield Ave, Mitcham, Victoria 3132; New South Wales Branch: P.O. Box C159, P.O. Clarence Str, Sydney, NSW 2001; So. Austr. Branch: 29 Park Terrace, Plympton Park, South Australia 5038; Tasmania: 2/30 Roope Str, Newtown, Tasmania 7008.

**AUSTRIA: Radio Japan Club-Wien,** Helligenstädter-Strasse 11/5/15, A-1190, Vienna. (Publ: "R. J. C. Japan Journal" in German) — **Vienna News Agency,** c/o K. H. Lindenthal, Vienna XIV, Hütteldorferstr. 173 (Publ: "The News").

**BENELUX: Benelux DX-Club,** Oude Amersfoortsweg 153, Hilversum, Holland. (Publ: "Benelux DX-Club" in Dutch and English).

**CANADA: R. Canada Shortwave Club,** c/o CBC, International Sce, P.O. Box 6000, Montreal — **Canadian Aero-Space Club,** 3225 Longfellow Ave, Windsor, Ontario, Canada (Publ: "Wings and Space") — **Canadian DX-Club:** see U.S.A. — **DX-Organisation of Winnipeg,** 430 Infester Blvd, Winnipeg, Manitoba — **Intercontinental DX-Club,** 77 Porchester Drive, Scarborough, Ontario. (Publ: "HI", bi monthly).
**American SWL Club,** P.O. Box 218, Crystal Beach, Ontario; Business address: 16182 Ballad Lane, Huntingdon Beach, Cal. 92647, U.S.A.

**CEYLON: Ceylonese Shortwave Listeners' Club,** Galle Walauwa, Kolamunne, Piliyandala.

**DENMARK: The Danish Short Wave Club International,** Tavleager 31, Greve Strand. (Publ: "Shortwave News" in E and "Kortbølge Nyt" in D) — **The Cimbrer DX-Club,** Box 27, Aars. (Publ: "The Cimbrer DX-News" in English and Danish).

**FINLAND: Finlands Svenska DX-Förbund,** Kungsgaten 11, Ekenäs. (Publ: "Frekvensnytt" distributed to all affiliated clubs). ***Esbo-DX Klubb,** Morby, Esbo — **Finlands DX-Club r.f,** Box 10214, Helsinki 10. (Publ: "Attention" in Swedish) — **Finlands DX-Club International,** Box 10214, Helsinki. (Publ: "Attention B" in English) — ***Jakobstads DX-Club r.f,** Storgaten 11, Jakobstad — ***Nykarleby Radio Club r.f,** Nykarleby — ***Petalax DX-Club,** c/o S. Björkas, Petalax — **Suomen DX-Kuuntelijat r.y,** P.O. Box 10454, Helsinki 10. (Publ: "DX-Kuuntelija") — ***Nylands DX-Club r.f,** Kungsgaten 11, Ekenäs — **Uudenmaan Radiokerho r.y,** Hämeenkylä. (Publ: "Urkkija") *=affiliated with Finland's Svenska DX-Förbund.

**FRANCE: France DX-TV Club** (Amateur Club for long distance TV reception), 30 rue Jean Moulin, 33 Villenave d'Ornon (Gironde) — **Club Français des Ondes Courtes,** 18 Ave. de la Grande Ceinture, 94 Saint Maur (Publ: "France DX").

**GERMANY: Radio Canada Shortwave Club,** 305 Wunstorf/Hann, Sudetenstr, 34 — **Radio Japan Club** (Publ: "RJC-Mitteilungen"). Branches as follows: Berlin: c/o Jürgen Linke, 1 Berlin 47, Britzer Damm 151 — Hamburg: 200 Hamburg 19, Grädenerstr. 5 — Munich: 8 München 22, P.O. Box 134 — Kl. Aachener Runde: 51 Aachen, Robenstr. 44 — 305 Wunstorf-Hannover: Barnestr. 74.

**HOLLAND: Radio Communications DX-Club,** (founded in Sweden in 1961), Enschedesestraat 26, Haaksbergen (Ov). (Publ: "From Point-to-Point" entirely in English, bimonthly — Real PTP-DX only).

**HUNGARY: Radio Budapest Shortwave Club,** c/o Brody Sandor s.u. 5-7, Budapest VIII.

**JAPAN: Japanese Short Wave Club,** P.O. Box 29, Sendai (Publ: "SW-DX Guide") — **Chunichi Radio Listeners' Club,** C.P.O. Box 347, Nagoya (Publ: "CRL Dayori") — **Radio Nederland and Deutsche Welle Listener Club,** P.O. Box 16, Itami, Hyogo-ken.

**KOREA: Korean Short Wave Club,** c/o R. J. K. Khan, 3-4 Hoo Am Dong, Seoul.
**MALTA: National Radio Club,** 35 St. Anthony Street, Balzan (Publ: "Sigma" monthly).

**NEW ZEALAND: New Zealand DX Radio Association,** 78 District Rd. Green Island, Dunedin (Publ: "Tune In") — **New Zealand Radio DX League,** P.O. Box 1356, Christchurch (Publ: "New Zealand DX-Times"), Adm. addr: P.O. Box 5165, Dunedin.

**NORWAY: DX-Listeners Club,** P.O. Box 1284 V, Oslo 1. (Publ: DX News and Internat. Bulletin). Local branches: in Oslo, Halden, Drammen, Trondheim (offers L.A, Europe, Africa, East and Pacific Diplomas).

**PORTUGAL:** Radio Portugal DX-Club, Rua do Quelhas 21, Lisbon (Publ: Newsheets).

**SOUTH AFRICA: South African DX Club,** 6A St. Augustine's Rd, West End, Kimberley (Publ: DX-Monitor).

**SWEDEN:** 1) Affiliated with DX-Alliansen — 2) Member of Sveriges DX-Förbund.
**DX-Alliansen,** Box 3108, Stockholm 3. National Union of Swedish DX Clubs (Publ: "Allians Nytt" in Swedish and English, news sheet "Allians News").
**Sveriges DX-Förbund,** Box 19008, Malmö 19. Editorial co operation between independent clubs. (Publ: "Eter-Aktuellt" 1)2) **Arboga Radioklubb,** DX-avd, 528, Arboga — 1) **Arctic Radio Club,** Box 3013, Växjö 3 (Publ: MV-Eko, Hot News Special) — 1)2) **Bodens DX-Club,** Box 127, Boden (Publ: DX) **Dala Husby DX-klubb,** Smedby, Dala Husby — 2) **DX-Club Örnen,** L. Andersson, Svalgaten 3, Sollentuna — 1)2) **DX-klubben Electron,** Box 2066, Eskilstuna 2 — 1)2) **DX-klubben KMB,** Box 423, Nyvång (Publ: KMB News) — 2) **DX-klubben Trio,** c/o Forsblad, Bäckebo, Längjum — 1) **Frövi Radioklubb,** Box 56, Frövi (Publ: Hjälp för DX-are) — **Gothenburg DX-Club International,** Box 31004, Göteborg 31 (Publ: GDX-aren) — **Halmstads Kortvågsklubb,** Fack 15, Halmstad — 1)2) **Husums Radioklubb,** Box 199, Husum — 1) **IOGT DX-Club,** Vasagatan 9, Stockholm C (Publ: DX-Bladet) — 1)2) **Kalix Radioklubb,** Box 79, Kalix — 1)2) **Kiruna Kortvågsklubb,** Box 208, Kiruna C. (Publ: Pejlen) — 2) **Kortvågsklubben Orren,** Box 2393, Långsele — 1)2) **Luleå Radioklubb,** DX-sektionen, Fack 37, Bergnäset — **Lysekils DX-Club,** Norra Kvarnsgatan 24, Lysekil 1)2) **Malmö Kortvågsklubb,** Fack 7026, Malmö 7 — 1) **Mälardalens Radiosällskap,** Konstgjutarvägen 50, Johanneshov (Publ: QRG-bulletinen) — 1) **Oskarshamns Radioklubb,** Gunnarsövägen 4, Oskarshamn — 1)2) **Radioklubben Micro,** Box 3054, Hälsingborg (Publ: RCM-Bulletinen) — 1) **Radioklubben Universal,** Box 2053, Huddinge 2 — 2) **Radix DX-Club,** Parkgaten 29, Kungshamn — 1)2) **Rågsveds DX-klubb,** c/o Malmstedt, Essingetorget 46, Stockholm K — 2) **Skellefteå DX-Club,** Box 1100, Byske — 1)2) **Sundets DX-Club,** Bästemansgatan 12B, Landskrona — 1)2) **Svalans DX-Club,** Bankogårdsgatan 47, Hälsingborg — 1) **Sveriges Kortvågsförening,** Box 2311, Göteborg 2 — 1) **Sveriges Radioklubb,** Box 5083, Stockholm 5 (Publ: DX-Radio) — 1) **Teknik för Allas Eterklubb,** Box 3137, Stockholm 3 (Publ: Column in technical magazine "Teknik för Alla") — 1) **The DX-Companions,** Hällestad (Publ: Rymdgnistan/Vox-Aktuellt) — 1) **Uddevalla DX-Club,** Hagarbevägen 45/100, Uddevalla (Publ: Bohus-DX) — 1)2) **Umeå Kortvågsklubb,** Box 117, Umeå 1 — 1) **Wermlands Radio Union,** Box 25, Karlskoga 1 (Publ: WRU-Information) — 1) **Vox Kortvågsklubb,** Box 12062, Norrköping 12 (Publ: Rymdgnistan/Vox-Aktuellt).
**SWITZERLAND: Schweizer DX Club,** Schürenstr. 3, 8903, Birmensdorf/ZH — **Swiss SW Club,** Schafhauserstr. 102, 8057 Zürich (Publ: Swiss SW News, in German).
**UNITED KINGDOM: International Short Wave League,** 60 White Street, Derby, DE3 1 MA, England (Publ: "Monitor") — **Pathfinders Radio Group,** 13 Little Rd, Hemel Hempstead (Publ: "APF DX-er") (Associated clubs: DX-Union-Europa, Hemel Hempstead Amateur Radio Club) — **Ripon Radio Club,** Tranby Croft, Glasshouses, Harrogate, Yorks — **World Communications Club of Gt. Britain,** 26 Tolhouse St, Gt. Yarmouth, Norfolk (Publ: Contact).
**U.S.A: North American Shortwave Association,** P.O. Box 989, Altoona, Pa. 16603, the only all-SWBC club in North America, publishing "Frendx", the SWBC Journal monthly. **Association of North American Radio Clubs,** c/o Gerry L. Dexter, 904 Jefferson, Apartment 8, West Bend, Wisconsin (Publ: Newsletters) — **American SWL's Club,** 16182 Ballad Lane, Huntington Beach, Calif. 92647 (Publ: "SWL" monthly) — **Canadian DX Club,** 4 Fox Ridge Land, Avon, Conn. 06001 (Publ: "Cadex" monthly) — **Fircrest DX-Club,** 1021 Alameda Ave, Fircrest, Wash. 98466 — **International Radio Club of America,** P.O. Box 112, Englewood, Colorado 80110 (Publ: "DX-Monitor") — **National Radio Club,** P.O. Box 99, Cambridge, Mass 02138 (Publ: "DX-News", published 34 times a year — mw only) — **Newark News Radio Club,** 215 Market Street, Newark, N.J. 07101 (Publ: "NNRC Bulletin") — **Radio New York Worldwide Listeners Club,** Radio New York Worldwide, New York, N.Y. 10022 (Publ: The Bulletin, monthly), all mail to Irwin Belofsky, Pres. Listeners Club — **R. Passaic International DX-Club,** 15 Carlton Place, N.J. 07055 (Publ: monthly bulletin) — **Worldwide TV-FM DX Association,** 4834 Old York Road, Philadelphia, Pa. 19141 (Publ: "VHF-UHF Digest" providing exclusive coverage of TV-FM) — **Wasatch DX Club,** Brigham City, Utah (Publ: WDXC News).

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92) **Ondas del Escalante,** Distrito Colón, Sta. Barbara del Zulia.
93) **La Voz de Anaco,** Ca. Cagigal 39, Anaco.
94) **R. Barloventa,** Caucagua.
95) **La Voz de la Victoria,** Plaza Rivas, La Victoria.
96) **R. Puerto Ordaz,** Av. las Américas, Pto. Ordaz.
97) **R. Tucupita,** Av. El Ceméntario 32, Tucipito.
98) **La Voz de la Sierra,** Churuguana.
99) **R. Crono Radar,** Ca. Guauche 7, Petare.
100) **R. Reloi,** Ant. 347, Maracaibo.
101) **R. Centro,** Ca. Miranda 82, Tinaquillo.
102) **R. Colonial,** Av. L. Alvarado, El Tocuyo.
103) **R. San Carlos,** Ca. Páez 78, San Carlos.
104) **R. Visión,** Ed. Terraza Zulia, Lagunillas.
105) **R. dif. La Pascua,** Ca. Retumbo, Valle de la Pascua.
106) **R. Compás,** El Sobrero.
107) **R. dif. Oriental,** Güria.
108) **R. Turén,** Edif. Portuguese, Turén.
109) **R. Exito,** Bachaquero.
110) **R. Orituco,** Ca. Ilustres, Altagracia de Orituco.

## CHARACTERISTICS OF TELEVISION SYSTEMS

(As indicated in C.C.I.R. Report 308, Xth Plenary Assembly, Geneva, 1963)

| System | Number of lines | Channel width MHz | Vision bandwidth MHz | Vision/sound separation MHz | Vestigial side-band MHz | Vision modulation | Sound modulation |
|---|---|---|---|---|---|---|---|
| A | 405 | 5 | 3 | −3.5 | 0.75 | Pos | AM |
| B | 625 | 7 | 5 | +5.5 | 0.75 | Nég | FM |
| C | 625 | 7 | 5 | +5.5 | 0.75 | Pos | AM |
| D | 625 | 8 | 6 | +6.5 | 0.75 | Nég | FM |
| E | 819 | 14 | 10 | +11.15 | 2 | Pos | AM |
| F | 819 | 7 | 5 | +5.5 | 0.75 | Pos | AM |
| G | 625 | 8 | 5 | +5.5 | 0.75 | Nég | FM |
| H | 625 | 8 | 5 | +5.5 | 1.25 | Nég | FM |
| I | 625 | 8 | 5.5 | +6 | 1.25 | Nég | FM |
| K | 625 | 8 | 6 | +6.5 | 0.75 | Nég | FM |
| K1 | 625 | 4 | 6 | +6.5 | 1.25 | Neg | FM |
| L | 625 | 8 | 6 | +6.5 | 1.25 | Pos | AM |
| M | 525 | 6 | 4.2 | +4.5 | 0.75 | Nég | FM |
| N | 625 | 6 | 4.2 | +4.5 | 0.75 | Nég | FM |

Note: For all stations the field repetition frequency is 50 per second.

**United States of America:** System M 525 lines & System N 625 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| A-2 | 55.25/ 59.75 | A-6 | 83.25/ 87.75 | A-10 | 193.25/197.75 |
| A-3 | 61.25/ 65.75 | A-7 | 175.25/179.75 | A-11 | 199.25/203.75 |
| A-4 | 67.25/ 71.75 | A-8 | 181.25/185.75 | A-12 | 205.25/209.75 |
| A-5 | 77.25/ 81.75 | A-9 | 187.25/191.75 | A-13 | 211.25/215.75 |

**United Kingdom** (UK): System A 405 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| B-1 | 45.00/ 41.50 | B-6 | 179.75/176.25 | B-11 | 204.75/201.25 |
| B-2 | 51.75/ 48.25 | B-7 | 184.75/181.25 | B-12 | 209.75/206.25 |
| B-3 | 56.75/ 53.25 | B-8 | 189.75/186.25 | B-13 | 214.75/211.25 |
| B-4 | 61.75/ 58.25 | B-9 | 194.75/191.25 | B-14 | 219.75/216.25 |
| B-5 | 66.75/ 63.25 | B-10 | 199.75/196.25 | | |

**Ireland:** System I 625 lines & System A 405 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| IA | 45.75/ 51.75 | ID | 175.25/181.25 | IG | 199.25/205.25 |
| IB | 53.75/ 59.75 | IE | 183.25/189.25 | IH | 207.25/213.25 |
| IC | 61.75/ 67.75 | IF | 191.25/197.25 | IJ | 215.25/221.25 |

**Continental Europe** (excl. France, Monaco, Italy and OIRT members): System B 625 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| E-2 | 48.25/ 53.75 | E-5 | 175.25/180.75 | E-9 | 203.25/208.75 |
| E-2A | 49.75/ 55.25 | E-6 | 182.25/187.75 | E-10 | 210.25/215.75 |
| E-3 | 55.25/ 60.75 | E-7 | 189.25/194.75 | E-11 | 217.25/222.75 |
| E-4 | 62.25/ 67.75 | E-8 | 196.25/201.75 | E-12 | 224.25/229.75 |

**France, Monaco:** System E 819 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| F-2 | 52.40/ 41.25 | F-7 | 177.15/188.30 | F-10 | 199.70/188.55 |
| F-4 | 65.55/ 54.40 | F-8A | 185.25/174.10 | F-11 | 203.45/214.60 |
| F-5 | 164.00/175.15 | F-8 | 186.55/175.40 | F-12 | 212.85/201.70 |
| F-6 | 173.40/162.25 | F-9 | 190.30/201.45 | | |

**French Overseas Territories:** System K'625 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| K'4 | 175.25/181.75 | K'6 | 191.25/197.75 | K'8 | 207.25/213.75 |
| K'5 | 183.25/189.75 | K'7 | 199.25/197.75 | K'9 | 215.25/221.75 |

**Italy:** System B 625 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| A | 53.75/ 59.25 | D | 175.25/180.75 | G | 201.25/206.75 |
| B | 62.25/ 67.75 | E | 183.75/189.25 | H | 210.25/215.75 |
| C | 82.25/ 78.75 | F | 192.25/197.75 | H1 | 217.25/222.75 |

**USSR** and OIRT members (R) (exc. German Democratic Republic): System D 625 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| R1 | 49.75/ 56.25 | R5 | 93.25/ 99.75 | R9 | 199.25/205.75 |
| R2 | 59.25/ 65.75 | R6 | 175.25/181.75 | R10 | 207.25/213.75 |
| R3 | 77.25/ 83.75 | R7 | 183.25/189.75 | R11 | 215.25/221.75 |
| R4 | 85.25/ 91.75 | R8 | 191.25/197.75 | R12 | 223.25/229.75 |

**Morocco:** System B 625 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| M4 | 163.25/168.75 | M7 | 187.25/192.75 | M9- | 203.25/208.75 |
| M5 | 171.25/176.75 | M8 | 195.25/200.75 | M10 | 211.25/216.75 |
| M6 | 179.25/184.75 | | | | |

**Australia:** System B 625 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| 0 | 46.25/ 51.75 | 5 | 102.25/107.75 | 8 | 189.25/194.75 |
| 1 | 57.25/ 62.75 | 5A | 138.25/143.75 | 9 | 196.25/201.75 |
| 2 | 64.25/ 69.75 | 6 | 175.25/180.75 | 10 | 209.25/214.75 |
| 3 | 86.25/ 91.75 | 7 | 182.25/187.75 | 11 | 216.25/221.75 |
| 4 | 95.25/100.75 | | | | |

**New Zealand** (NZ): System B 625 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| 1 | 45.25/ 50.75 | 4 | 175.25/180.75 | 7 | 196.25/201.75 |
| 2 | 55.25/ 60.75 | 5 | 182.25/187.75 | 8 | 203.25/208.75 |
| 3 | 62.25/ 67.75 | 6 | 189.25/194.75 | 9 | 210.25/215.75 |

**Japan:** System M 525 lines.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| J-1 | 91.25/ 95.75 | J-5 | 177.25/181.75 | J-9 | 199.25/203.75 |
| J-2 | 97.25/101.75 | J-6 | 183.25/187.75 | J-10 | 205.25/209.75 |
| J-3 | 103.25/107.75 | J-7 | 189.25/193.75 | J-11 | 211.25/215.75 |
| J-4 | 171.25/175.75 | J-8 | 193.25/197.75 | J-12 | 217.25/221.75 |

**Television on VHF/UHF (Band IV/V) Europe and Africa.**
VHF/UHF television systems for Band IV/V adopted by the European Broadcasting Conference Stockholm 1961 and by the African Broadcasting Conference, Geneva 1963 are 625-lines systems only. These can be grouped into 5 categories, here called Standards G to L:

| Standard | Video Band-width (MHz) | Picture/Sound Separation (MHz) | Vestigial Sideband (MHz) | Picture modulation | Sound modulation | Frequency of chrominance subcarrier (MHz) | Power ratio picture/sound |
|---|---|---|---|---|---|---|---|
| G | 5 | 5.5 | 0.75 | Neg | FM | 4.43 | 5:1 |
| H | 5 | 5.5 | 1.25 | Neg | FM | 4.43 | 5:1 |
| I | 5.5 | 6 | 1.25 | Neg | FM | 4.43 | 5:1 |
| K | 6 | 6.5 | 0.75 | Neg | FM | 4.43 | 5:1 |
| L | 6 | 6.5 | 1.25 | Pos | AM | 4.43 | 8:1 |

| ch | Vision Mc | ch | Vision Mc | ch | Vision Mc | ch | Vision Mc |
|---|---|---|---|---|---|---|---|
| 21 | 471.25 | 33 | 567.25 | 45 | 663.25 | 57 | 759.25 |
| 22 | 479.25 | 34 | 575.25 | 46 | 671.25 | 58 | 767.25 |
| 23 | 487.25 | 35 | 583.25 | 47 | 679.25 | 59 | 775.25 |
| 24 | 495.25 | 36 | 591.25 | 48 | 687.25 | 60 | 783.25 |
| 25 | 503.25 | 37 | 599.25 | 49 | 695.25 | 61 | 791.25 |
| 26 | 511.25 | 38 | 607.25 | 50 | 703.25 | 62 | 799.25 |
| 27 | 519.25 | 39 | 615.25 | 51 | 711.25 | 63 | 807.25 |
| 28 | 527.25 | 40 | 623.25 | 52 | 719.25 | 64 | 815.25 |
| 29 | 535.25 | 41 | 631.25 | 53 | 727.25 | 65 | 823.25 |
| 30 | 543.25 | 42 | 639.25 | 54 | 735.25 | 66 | 831.25 |
| 31 | 551.25 | 43 | 647.25 | 55 | 743.25 | 67 | 839.25 |
| 32 | 559.25 | 44 | 655.25 | 56 | 751.25 | 68 | 847.25 |

The sound carrier frequency for each channel can be determined by adding the appropriate figure to the vision carrier frequency given above (5.5Mc for systems G, H; 6Mc for system I and 6.5Mc for systems K, L). In We. Germany ch38 is reserved for aero-navigation.

**UHF Channels:** USA.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| A-14 | 471.25/475.75 | A-38 | 615.25/619.75 | A-62 | 759.25/763.75 |
| A-15 | 477.25/481.75 | A-39 | 621.25/625.75 | A-63 | 765.25/769.75 |
| A-16 | 483.25/487.75 | A-40 | 627.25/631.75 | A-64 | 771.25/775.75 |
| A-17 | 489.25/493.75 | A-41 | 633.25/637.75 | A-65 | 777.25/781.75 |
| A-18 | 495.25/499.75 | A-42 | 639.25/643.75 | A-66 | 783.25/787.75 |
| A-19 | 501.25/505.75 | A-43 | 645.25/649.75 | A-67 | 789.25/793.75 |
| A-20 | 507.25/511.75 | A-44 | 651.25/655.75 | A-68 | 795.25/799.75 |
| A-21 | 513.25/517.75 | A-45 | 657.25/661.75 | A-69 | 801.25/805.75 |
| A-22 | 519.25/523.75 | A-46 | 663.25/667.75 | A-70 | 807.25/811.75 |
| A-23 | 525.25/529.75 | A-47 | 669.25/673.75 | A-71 | 813.25/817.75 |
| A-24 | 531.25/535.75 | A-48 | 675.25/679.75 | A-72 | 819.25/823.75 |
| A-25 | 537.25/541.75 | A-49 | 681.25/685.75 | A-73 | 825.25/829.75 |
| A-26 | 543.25/547.75 | A-50 | 687.25/691.75 | A-74 | 831.25/835.75 |
| A-27 | 549.25/553.75 | A-51 | 693.25/697.75 | A-75 | 837.25/841.75 |
| A-28 | 555.25/559.75 | A-52 | 699.25/703.75 | A-76 | 843.25/847.75 |
| A-29 | 561.25/565.75 | A-53 | 705.25/709.75 | A-77 | 849.25/853.75 |
| A-30 | 567.25/571.75 | A-54 | 711.25/715.75 | A-78 | 855.25/859.75 |
| A-31 | 573.25/577.75 | A-55 | 717.25/721.75 | A-79 | 861.25/865.75 |
| A-32 | 579.25/583.75 | A-56 | 723.25/727.75 | A-80 | 867.25/871.75 |
| A-33 | 585.25/589.75 | A-57 | 729.25/733.75 | A-81 | 873.25/877.75 |
| A-34 | 591.25/595.75 | A-58 | 735.25/739.75 | A-82 | 879.25/883.75 |
| A-35 | 597.25/601.75 | A-59 | 741.25/745.75 | A-83 | 885.25/889.75 |
| A-36 | 603.25/607.75 | A-60 | 747.25/751.75 | | |
| A-37 | 609.25/613.75 | A-61 | 753.25/757.75 | | |

**UHF Channels:** Japan.

| ch | MHz | ch | MHz | ch | MHz |
|---|---|---|---|---|---|
| 45 | 663.25/667.75 | 51 | 699.25/703.75 | 57 | 735.25/739.75 |
| 46 | 669.25/673.75 | 52 | 705.25/709.75 | 58 | 741.25/745.75 |
| 47 | 675.25/679.75 | 53 | 711.25/715.75 | 59 | 747.25/751.75 |
| 48 | 681.25/685.75 | 54 | 717.25/721.75 | 60 | 753.25/757.75 |
| 49 | 687.25/691.75 | 55 | 723.25/727.75 | 61 | 759.25/763.75 |
| 50 | 693.25/697.75 | 56 | 729.25/733.75 | 62 | 765.25/769.75 |

# EUROPE

## ALBANIA

### RADIODIFFUSION TELEVISION ALBANAISE

**Addr:** Rue Ismail Quemal, Tirana. **L.P:** see radio.
**Station:** chR2 0.02kW — Exp. tr's three times a week at 18.00-21.00.
**TV-sets:** 2000.

## AUSTRIA

### OESTERREICHISCHER RUNDFUNK

**Addr:** Television Dept, Schellingasse 4, Wien I. **Te:** 520636. **Cable:** Fernsehen. Studios: Maxingstr. 13a, Wien XIII, Singrienergasse 21, Wien XII. Columbia-studio, Rothgasse 9, Wien I. **L.P:** Dir. Gen: G. Bacher. Dir. TV: Dr. H. Zilk. Dir. Tec: Dr. G. Skalar.
**Stations:** Pol: H.

| | ch | kW(W) | | ch | kW(W) |
|---|---|---|---|---|---|
| Jauerling I | E2 | 60/12 | Sonnwendstein | E10 | 5/1 |
| Patscherkofel | E4 | 60/12 | H. Kaibling | E11 | 10/2 |
| Kahelenberg I | E5 | 60/12 | Jauerling II | E21 | 800/160 |
| Pfänder | E5 | 80/16 | Schöckl II | E23 | 20/4 |
| Lichtenberg I | E6 | 100/20 | Kahelenberg II | E24 | 400/80 |
| Schöckl | E7 | 100/20 | Gaisberg II | E32 | 800/160 |
| Gaisberg | E8 | 100/20 | Kahelenberg III | E34 | 40/8 |
| Mugel | E9 | 20/4 | Lichtenberg II | E43 | 800/160 |
| Pyramidenkog. | E10 | 30/6 | +83 low power freq. changers | | |

**D.Prgr:** W 17.30-22.00 (Sun, Wed, Sat 16.00-22.00), Wed & Fri 10.00-12.00 (for shift workers); Wed, Fri 09.00-10.00 & Thurs 10.00-11.30 for schools — **FI:** By licence payments & Adv. — **TV sets:** 924.607 — **ALF:** Ö.Sch 600.

## BELGIUM

### RADIODIFFUSION-TELEVISION BELGE (RTB) — BELGISCHE RADIO EN TELEVISIE (BRT) (Gov.)

**Addr:** RTB or BRT, Place Eugene Flagey 18, Brussels 5. **Te:** French and Dutch 496050. **Cable:** RTB or BRT-TV — **L.P:** Dir. French Prgrs: L. P. Kammans. Dir. Dutch Prgrs: B. Janssens.

| **French Prgr:** Def. 625 | | | **Dutch Prgr:** Def. 625 | | |
|---|---|---|---|---|---|
| Ougrée | chE 3 | 100/25 kW/H | Wavre | chE10 | 100/25 kW/H |
| Wavre | chE 8 | 100/25 kW/H | Aalter | chE2 | 100/25 kW/H |
| Anlier | chE11 | 10/25 kW/H | +2 satellites. | | |

+5 satellites.
**D.Prgr: French:** W 17.30-22.00. Sun 14.00-17.45, 19.30-22.30. **School Prgr:** Mon, Tues, Thurs, Fri 13.15-14.00 — **Dutch:** 18.00-21.45 (or 22.00). **School Prgr:** Mon, Tues, Thurs 13.05-14.00.
**FI:** By state grant in aids — **TV sets:** 1.629.700 — **ALF:** Btrs 840,-

## BULGARIA

### BULGARIAN TELEVISION (Gov.)

**Addr:** Todor Strashimirov 2, Sofia. **Te:** 4-63-21. **Cable:** TV Bulgar. **Telex:** 581. **L.P:** V. Baev.
**Station:** Sofia chR7 10/5kW. **D.Prgr:** W exc Tues 16.00-20.30. Sun 15.00-20.30. **TV sets:** 186.000.

## CYPRUS

### CYPRUS BROADCASTING CORPORATION

**Addr:** P.O. Box 1824, Nicosia. **L.P:** Dir. Prgr's: G. Mitsides. For other personnel: see radio. **Stations:** Mt. Olympus chE6 40/8kW V, Mt. Sina Oros: chE8 40/8kW V. **D.Prgr:** 17.30-20.30. **TV sets:** 25.500 — **ALF:** £3-0-0.

## CZECHOSLOVAKIA

### CESKOSLOVENSKA TELEVIZE

**Addr:** Ceskoslovenská televize, nám M. Gorkého 29, Praha 1. **Te:** 223356. **Cable:** Televize. **Telex:** 0400. **L.P:** Dir. Gen: J. Pelikán. Techn. & Economi. Dir: J. Benes. Dir: For. Rel: L. Kubicek. Dir. Prgr: Z. Nohác. Dir. Telexport (Selling & Buying films): J. Khun.
**Stations:** Ch. OIRT. Polarisation: H.

| **Praha** | ch | kW | | ch | kW |
|---|---|---|---|---|---|
| Stredni Cechy | 1 | 30/6 | Jihlava | 11 | 5/1 |
| Severni Cechy | 12 | 8/1.6 | **Ostrava** | | |
| Západni Cechy | 10 | 10/2 | Severni Morava | 1 | 10/2 |
| Jizni Cechy | 2 | 10/2 | **Bratislava** | | |
| Vychodni Cechy | 6 | 10/2 | Západni Slovensko | 2 | 10/2 |
| Petrin | 7 | 2.5/0.5 | Streni Slovensko | 7 | 10/2 |
| **Brno** | | | Vychodni Slovensko | 6 | 10/2 |
| Hizni Morava | 9 | 10/2 | | | |

**D.Prgr:** Approx. 60 hrs. per week: Mon 16.00-22.00; Tues 07.30-10.45; 15.00-22.30; Wed 08.30-11-00, 14.30-21.45; Thurs 16.30-21.30; Fri. 07.00-11.35, 16.25-21.45; Sat 08.00-10.45, 14.00-22.30; Sun 08.15-11.10, 14.00-21.30. **Ad:** Approx. 15 mins. daily
**TV sets:** 2.530.000 — **ALF:** Czech Crowns: 1800.00.

## DENMARK

### RADIO DENMARK (Gov.)

**Addr:** Danmarks Radio, TV, Rosenørnsallé 22, Copenhagen V. **Te:** (01) 350647. **Cable:** Danradio. **Telex:** 2695. **L.P:** Dir. Gen: Hans Sølvhøj. Dir. Adm: Ejnar Jensen. Dir. Prgr: Laur Bindsløv. Dir. Tec: (Radio and TV): Fr. Heegaard. Dir. Tec: (TV) P. Hansen. Dir. Entertainm: Niels-Jørgen Kaiser. Dir. Actualities dept: Hans Jørgen Jensen. Dir. Cult. dep: Werner Svendsen. Dir. Drama: Felix Nørgaard. Dir. children, youth and educ. broadcasts: Valdemar Christensen.
**Stations:** ch E, pol H exc those marked*. V.

| | ch | kW | | ch | kW |
|---|---|---|---|---|---|
| Funen | 3 | 10/2 | Hobro* | 7 | 0.02 |
| Copenhagen | 4 | 10/2 | So. Jutland | 7 | 60/12 |
| Ålborg | 5 | 17/3 | Århus | 8 | 10/2 |
| Bornholm | 5 | 10/2 | Frederikshavn* | 8 | 0.1 |
| Vejle* | 5 | 0.03 | Kolding | 9 | 0.08 |
| Horsens* | 6 | 0.03 | Kollund* | 9 | 0.06 |
| Randers* | 6 | 0.01 | We. Jutland | 10 | 60/12 |
| Silkeborg* | 6 | 0.1 | Skagen | 10 | 0.05 |
| So. Seeland | 6 | 60/12 | Esbjerg | 11 | 0.09 |

**D.Prgr:** 18.30-21.30. Youth, Educational and childrens prgrs: 08.15-08.40 (Mon-Tues-Fri), 09.15-09.40 (Mon-Thurs), 12.15-12.40 (Wed-Thurs-Fri), 14.15-15.00 (Thurs-Fri), 16.15-17.00 (Tues-Sat).
**Fi:** By licence payments.
**TV sets:** 1.170.800. **ALF:** 231,00.

## FINLAND

### OY YLEISRADIO AB (Gov.)

**Addr:** Prgr. I: Helsinki, Pasila. **Te:** 418811. **Cable:** Yletv. **Telex:** 12849 — Prgr. II: Tampere, Hämeenkatu 22C. **Te:** 30330. **L.P:** Head of TV Prgr. I: V. Zilliacus. Dir. of TV Prgr. II: H. Leminen. For other leaders: see radio.
**Prgr I**

| **Station** | ch | kW | Po | **Station** | ch | kW | Po |
|---|---|---|---|---|---|---|---|
| Eurajoki | 11 | 20 | H | Pihtipudas | 10 | 5 | H |
| Helsinki | 6 | 10 | H | Pyhätunturi | 5 | 60 | H |
| Helsinki UHF | 24 | 25 | H | Pyhävuori | 6 | 20 | H |
| Iisalmi | 5 | 0.2 | V | Rovaniemi | 9 | 0.7 | V |
| Joutseno | 10 | 10 | H | Ruka | 4 | 0.1 | V |
| Jyväskylä | 11 | 10 | H | Sippola | 5 | 20 | H |
| Kajaani | 4 | 15 | H | Taivalkoski | 2 | 15 | V |
| Kerimäki | 9 | 10 | H | Tammela | 10 | 8 | H |
| Kokkola | 7 | 0.1 | H | Tammisaari | 5 | 0.15 | H |
| Koli | 8 | 5 | H | Tampere | 8 | 80 | H |
| Kuopio | 7 | 45 | H | Tervola | 3 | 20 | H |
| Lahti | 9 | 80 | H | Turku | 7 | 60 | H |
| Lapua | 5 | 80 | H | Vaasa | 11 | 0.1 | H |
| Mikkeli | 6 | 10 | V | Ylivieska | 9 | 60 | H |
| Oulu | 7 | 60 | V | +18 low power repeaters. | | | |

**D.Prgr:** Mon, Wed 15.15-16.30, 17.30-19.35; Tues 15.15-16.30, 17.00-20.30; Thurs 16.00-16.30, 17.00-20.30; Fri 15.15-16.30, 17.00-19.30; Sat 14.00-17.00, 17.30-19.35, 20.35-22.00; Sun 07.45-09.00, 12.30—14.45, 15.45-16.30, 17.30-19.35.
**Prgr. II.**

| **Station** | ch | kW | Po | **Station** | ch | kW | Po |
|---|---|---|---|---|---|---|---|
| Helsinki | 8 | 10 | H | Turku | 9 | 10 | V |
| Tampere | 2 | 10 | V | Lahti (UHF) | 40 | 1 | H |

+1 low power repeater.
**D.Prgr:** 16.30-19.35 (Tues 20.35).
**Fi:** by licence fees & adv — **TV sets:** 864.214 — **ALF:** Fmk. 80,-.

## FRANCE

### OFFICE DE RADIODIFFUSION-TELEVISION FRANCAISE (Etablissement Public)

**Addr:** 116, Avenue du President Kennedy, Paris 16 — **L.P:** see radio.
**1st Prgr.** (819 lines):
**Principal stations:** Audio powers ¼ of Vision powers indicated.

| **Location** | chF | kW (ERP) | Pol. | **Location** | chF | kW (ERP) | Pol. |
|---|---|---|---|---|---|---|---|
| Ajaccio | 4 | 0.5 | H | Brest | 8 | 10 | H |
| Amiens | 11 | 20 | V | Caen | 2 | 20 | H |
| Antisanti | 6 | 0.5 | H | Carcassonne | 4 | 20 | V |
| Aurillac | 11 | 0.5 | V | Cherbourg | 12 | 0.5 | H |
| Bastia | 2 | 3 | V | Clermont Ferrand | 6 | 10 | V |
| Besançon | 4 | 3 | V | Dijon | 10 | 3 | V |
| Bordeaux | 10 | 10 | H | Gex | 7 | 3 | V |
| Bourges | 9 | 20 | H | | | | |

| Location | chF | kW | Pol |
|---|---|---|---|
| Grenoble | 10 | 0.05 | H |
| Hyeres | 4 | 0.25 | V |
| Le Havre | 7 | 0.5 | H |
| Le Mans | 12 | 10 | V |
| Lille | 8A | 20 | H |
| Limoges | 2 | 20 | H |
| Lyon | 12 | 20 | H |
| Marseille | 8 | 20 | H |
| Metz | 6 | 10 | H |
| Mezieres | 8A | 0.5 | V |
| Montpellier | 6 | 0.05 | H |
| Mulhouse | 8 | 20 | H |
| Nancy | 7 | 0.05 | V |
| Nantes | 4 | 20 | V |

| Location | chF | kW | Pol |
|---|---|---|---|
| Niort | 7 | 20 | V |
| Paris | 8A | 20 | H |
| Perpignan | 12 | 0.05 | H |
| Reims | 5 | 10 | V |
| Rennes | 5 | 20 | H |
| Rouen | 10 | 10 | H |
| Saint-Raphael | 6 | 3 | V |
| Strasbourg | 5 | 3 | H |
| Toulon | 11 | 0.05 | H |
| Toulouse | 10 | 0.05 | H |
| Toulouse | 5 | 2 | H |
| Troyes | 2 | 20 | H |
| Vannes | 12 | 0.5 | H |

+693 low powered relay st's.
**D.Prgrs:** W 11.30-12.30, 17.25 (Tues 15.30, Sat 14.30)-22.30. Sun 08.15-22.00. **Reg. Prgr's:** 18.25-18.40 Mon, Tues and Sat also 12.30-13.00).
**Second Prgr.** (625 lines): Pol=H.
Audio powers ¼ of vision powers indicated.

| Station | ch | kW(ERP) |
|---|---|---|
| Ajaccio | 21 | 10 |
| Antisanti | 61 | 2 |
| Aurillac | 65 | 20 |
| Bastia | 47 | 20 |
| Bayonne | 58 | 0.45 |
| Besançon | 41 | 10 |
| Bordeux | 57 | 50 |
| Boulogne | 34 | 2 |
| Bourges | 26 | 50 |
| Brest | 21 | 50 |
| Caen | 25 | 50 |
| Carcassonne | 58 | 50 |
| Chambery | 26 | 10 |
| Chamonix | 28 | 2 |
| Cherbourg | 59 | 2 |
| Clermont-Ferrand | 28 | 20 |
| Dijon | 62 | 50 |
| Epinal | 60 | 2 |
| Gex | 21 | 20 |
| Grenoble | 50 | 2 |
| Hyeres | 59 | 2 |
| Le Havre | 43 | 10 |
| Le Mans | 27 | 50 |
| Lille | 21 | 50 |
| Limoges | 50 | 50 |

| Station | ch | kW(ERP) |
|---|---|---|
| Longwy | 47 | 2 |
| Lyon | 58 | 2 |
| Lyon | 40 | 50 |
| Marseille | 23 | 50 |
| Menton | 50 | 2 |
| Metz | 34 | 50 |
| Mezieres | 23 | 20 |
| Mulhouse | 21 | 50 |
| Nancy | 29 | 20 |
| Nantes | 29 | 50 |
| Nice | 58 | 0.45 |
| Niort | 22 | 50 |
| Paris | 22 | 20 |
| Perpignan | 25 | 0.45 |
| Reims | 46 | 50 |
| Rennes | 45 | 50 |
| Rouen | 33 | 20 |
| Sens | 63 | 4 |
| St-Etienne | 30 | 0.45 |
| St-Raphael | 28 | 20 |
| Strasbourg | 56 | 50 |
| Toulon | 48 | 2 |
| Toulouse | 21 | 10 |
| Toulouse | 39 | 0.45 |
| Troyes | 24 | 50 |
| Vannes | 56 | 20 |

+11 low powered relay st's.
**D.Prgr:** Sun 13.15-22.30; Mon-Fri 18.55-22.00; Sat 17.30-23.00.
**TV sets:** 7.997.856 — **ALF:** 100 Frcs.
**Colour transmissions** (SECAM system) are aired by the tr's of the 2nd Netw. 12 hrs weekly.

## GERMANY

### ARBEITSGEMEINSCHAFT DER OEFFENTLICH RECHTLICHEN RUNDFUNKANSTALTEN DER BUNDESREPUBLIK DEUTSCHLAND (ARD)

**German Television Prgr. Direction:** 8 München 23, Leopoldstrasse 10. **Te:** 38061. **Telex:** 05-22480 — **L.P:** Prgr. Dir. German Television: L. Hartmann. Deputy Dir: R. E. Lembke. Coordinator Politics: D. Gütt. Press: O. Meitzner. Eurovision Office: Dr. R. Dill. Fernsehbeirat: Chmn: H. Müller-Osterode, 3406 Bovenden/Göttingen, Erlenweg 2. A common prgr. is being broadc. throughout Germany under the title "Deutsches Fernsehen". Each of the organisations participates in the production of this prgr. In addition reg. broadc's are transmitted. Some stations broadcast a third TV-prgr.
**Community Television Prgr. (Deutsches Fernsehen):** Mon-Fri 15.40-17.05, 19.00-22.00; Sat 13.10-17.30, 19.00-22.00; Sun 10.00-22.00. Closing times are approx.
**Third TV Prgr:** Bayerischer Rundfunk: Mon-Sun 16.55-21.00; Hessischer Rundfunk: Sun-Sat 18.00-21.00; Norddeutscher Rundfunk/Radio Bremen/Sender Freies Berlin: Sun-Fri 19.00-21.30; Sat 17.00-21.30; Westdeutscher Rundfunk: Mon-Fri 18.00-21.00 (approx); Sat, Sun 16.00-21.00 (approx).
**TV sets:** 13.404.107 — **ALF:** DM 84.00 (television DM 60.00+ radio DM 24.00).

### BAYERISCHER RUNDFUNK (Anstalt des öffentlichen Rechts)

**ADDR:** Bayerischer Rundfunk, 8 München 2, Rundfunkplatz 1.
**Studios:** 8 München-Freimann and 8043 Unterföhring — **L.P:** Intendant: Chr. Wallenreiter, Dir. TV: Dr. Cl. Münster. Dir. Stud. Prog: Dr. H. Oeller. Dir. Adm: H. Spies. Dir. Tec: Dr. F. Daser.

| Stations | chE | kW (ERP) Vision |
|---|---|---|
| Grünten | 2 | 100H |
| Kreuzberg | 3 | 100V |
| Oshsenkopf | 4 | 100V |
| Dillberg | 6 | 100H |
| Brotjacklriegel | 7 | 100H |
| Hoher Bogen | 55 | 225H |
| Hühnerberg | 60 | 400H |
| Wendelstein | 10 | 100H |
| Würzburg | 10 | 5H |
| Hohenpeissenb. | 25 | 10H |

+50 low power relay st's.
**Testtr's:** 09.00-11.00, 12.00-15.50. Sat 12.00-15.50.
**Third Prgr (Pol H):** W 18.00-21.30.

| Stations: | ch | kW (ERP) Vision |
|---|---|---|
| Deggendorf | 40 | 430 |
| Coburg | 41 | 250 |
| Regensburg | 42 | 370 |
| Amberg | 43 | 500 |
| Augsburg | 44 | 350 |
| Würzburg | 45 | 500 |
| Grünten | 46 | 500 |
| Spessart | 51 | 250 |
| Bayreuth | 54 | 100 |
| Bamberg | 56 | 90 |
| München | 56 | 220 |
| Landshut | 58 | 55 |
| Nürnberg | 59 | 440 |
| Passau | 60 | 40 |

**PUB:** "Pressedienst - Studienprogramm" (weekly) — **Fi:** By licence payments — **Ad:** W. max 12 min's.

### HESSISCHER RUNDFUNK

(Anstalt des öffentlichen Rechts)
**Addr:** 6000 Frankfurt (Main) 1, Postfach 3294, Bertramstrasse 8.
**L.P:** Intendant: W. Hess. Dir. Prgr (TV): H. O. Grünefeldt. Entertainment: A. Neve. Chief Editor News: W. Hanke. Play: Dr. H. Prescher. Prod: G. Meyer. Youth & Family-Prgr: J. Göhlen.
**Stations:** Feldberg chE8 100/10 kW H, Meissner chE7 100/10kW H, Biedenkopf chE2 30/2kW H d, Hardberg chE5 5/0.6kW H d, Rimberg chE57 400/20kW + 57 low power freq. changers.
**D.Prgr:** 15.40-21.30 (Sat also 13.00-15.40); Sun also 10.00-15.40. Test tr's: Mon-Sat 09.00-11.00 (exc. Meissner): Mon-Fri 12.00-15.40 — **Ad:** W between 17.10-17.50, 18.10-18.50.
**Third Prgr:** "Hessisches Fernsehprogramm" Mon-Fri 18.00-21.00 (approx). Tr's (Deutsche Bundespost) Kassel ch42, Feldberg ch 54, Rimberg ch39.

### RADIO BREMEN (Anstalt des öffentlichen Rechts)

**Addr:** Heinrich-Hertz Str. 13, Bremen. **L.P:** Dir: H. Abich.
**Stations:** Bremen chE22 100/20kW H, Bremerhaven chE5 0.16/0.03kW V. **D.Prgr:** D 18.00-21.30. **Reg.Prgr:** W 17.15 (Sat 17.30)-19.00. **Special Prgr:** Mon-Fri 09.00-12.00.
**Third Prgr:** Bremen chE42 500/100kW H: 18.00-20.30 (approx).
**Fi:** By license payments — **Ad:** D (exc. Sun) max 20 min.

### NDR — TELEVISION

**Addr:** see radio — **L.P:** Dir. Prgr: D. Schwarzkopf. For other personnel: see radio.

| Stations: | ch | kWPol. |
|---|---|---|
| Odenburg | 2 | 100H |
| Flensburg | 4 | 50H |
| Kiel | 5 | 12H |
| Hannover | 8 | 5H |
| Hamburg | 9 | 100H |
| Heide | 10 | 25V |
| Harz | 10 | 100H |
| Lingen | 41 | 400H |
| Dannenberg | 43 | 250H |
| Bungsberg | 50 | 260H |
| Osnabrück | 50 | 250H |
| Aurich | 53 | 230H |
| Oldenburg | 55 | 400H |

+56 low power st's.
**D.Prgr:** Test-tr's: W 12.00-15.30 (Sat approx 13.00).
**Prgr's:** W 09.00-12.00, 15.45-17.05 (Sat 13.00-17.30), D 19.00-20.00 — **Reg.Prgr.** W 17.05 (Sat 17.30)-18.59.
**Third Prgr:** 18.00-21.30, Sat 17.00-21.30 (approx). Common prgr. of Norddeutscher Rundfunk, Radio Bremen & Sender Freies Berlin: Hamburg ch40 500kW H, Aurich ch43 400kW H, Hannover ch44 500kW H, Höhbeck ch45 440kW H, Schleswig ch45 100kW H, Cuxhaven ch48 330kW H, Torfhaus ch53 500kW H, Kiel ch55 200kW H, Uelzen ch58 400kW H, Göttingen ch59 270kW H, Lingen ch59 400kW H, Niebüll ch60 150kW H.

### SAARLANDISCHER RUNDFUNK FERNSEHEN

**Addr:** 66 Saarbrücken, Postfach 1050. **L.P: Dir:** K. Schnelting. Chief Editor: K. H. Reintgen.
**Station:** Göttelborner Höhe ch2 100/20kW V + 15 low power satellites — **D.Prgr: Reg.Prgr:** Mon-Fri 11.30-12.30, 17.05-18.59. Sat 17.30-18.59 — "Deutsches Fernsehen": 3% annual participation. **Fi:** By license payments and adv — **Ad:** 17.05-18.59.

### SENDER FREIES BERLIN

**Addr:** Fernsehen, Masurenallee 8/14, 1 Berlin 19. **Te:** 30331. **Cable:** Sender Freies Berlin — **L.P:** see Radio — **Station:** Berlin chE7 100/10kW. **D.Prgr:** W 09.00-13.30, 15.40-17.05 (Sat 12.55-17.30), 19.00-22.00 (approx). Sun 09.00-09.50, 11.00-17.00, 19.00-22.00 (approx). **Reg.Prgr's:** Mon-Fri 15.00-15.30, 17.05-19.00, Sat 08.00-08.45, 12.00-12.30, 17.30-19.00.
**Third Prgr (NDR/RB/SFB):** 18.00-20.45 (approx).
**Station:** Berlin ch39 500/20kW H — **Fi:** By license payments.

### SUDDEUTSCHER RUNDFUNK FERNSEHEN

**(Anstalt des öffentlichen Rechts) Addr. and L.P:** see radio.

| Station | ch | kW(ERP) | | Station | ch | kW(ERP) | |
|---|---|---|---|---|---|---|---|
| Heidelberg I | 7 | 100/20kW | V | Stuttgart | 11 | 100/20kW | H |
| Aalen | 8 | 50/4kW | V | Langenbrand | 21 | 100/10kW | H |
| Waldenburg | 9 | 100/20kW | H | Heidelberg II | 50 | 500/100kW | H |

+37 low power freq. changers.
**D.Prgrs:** W 16.00-17.05, 19.00-21.30 (approx); Sat 14.00-17.05, 19.00-22.00 (approx). Sun 10.00-22.00 (approx) — **Reg. Prgr:** Mon-Fri 17.05-19.00 — **Ad:** W 17.20 (Sat 17.30)-17.50, 18.20-19.00. **Test Prgrs:** W 09.00-11.00 and 12.00 to start of Prgr's.

### SUDWESTFUNK (Anstalt des öffentlichen Rechts)

**Addr:** Südwestfunk Fernsehen, 7570 Baden-Baden, Hans-Bredow-Str. **Te:** 2761. **Cable:** Südwestfunk, Baden-Baden. **L.P:** see radio.
**Stations:** Pol: H.

| | chE | kW(ERP) | | chE | kW(ERP) |
|---|---|---|---|---|---|
| Baden-Baden | 7 | 0.32 | Kaisersl. | 7 | 0.32 |
| Brandenkopf | 48 | 2.5 | Koblenz | 6 | 50 |
| Donnersberg | 10 | 100 | Mainz | 11 | 1 |
| Eggberg | 22 | 0.8 | Marienberg | 47 | 50 |
| Eifel | 23 | 20 | Raichberg | 4 | 40 |
| Feldberg | 8 | 100 | Saarburg | 31 | 20 |
| Freiburg | 7 | 0.9 | Trier | 5 | 0.6 |
| Freiburg | 58 | 170 | Waldshut | 21 | 1 |
| Grünten | 43 | 500 | Wannenberg | 30 | 5 |
| Haardtkopf | 25 | 200 | Weinbiet | 6 | 30 |
| Hornisgrinde | 9 | 100 | Zweibrücken | 7 | 0.04 |

+177 low power satellites. **D.Prgr:** Variable. **Reg.Prgr:** Mon-Fri 17.40-18.05, 18.54-18.59. **Fi:** By license payments — **Ad:** Mon-Fri 17.05-17.40, 18.05.18.54, Sat 17.30-17.40, 18.05-18.54.

### WDR FERNSEHEN

**Addr:** Wallrafplatz 5, Köln. **Te:** 2070. **Cable:** WDR. Studios: 53 Bonn, Dahlmannstr. 14; 4 Düsseldorf, Achenbachstr. 5 — **L.P:** Dir: Dr. Hans-Joachim Lange. Dir. Third Prgr. TV: W. Höfer.
**First TV Prgr:** Pol: H.

| Stations | chE | kW(ERP) | Stations | chE | kW(ERP) |
|---|---|---|---|---|---|
| Aachen-Stolb. | 24 | 200 /20 | Münster-B | 32 | 500 /50 |
| Bonn | 5 | 0.5/ 0.05 | Nordhelle | 30 | 240 /24 |
| Kleve | 46 | 100 /10 | Teutob. Wald | 11 | 100 /10 |
| Köln | 11 | 10 / 1 | Wuppertal | 6 | 0.6/ 0.06 |
| Langenberg | 9 | 100 /10 | | | |

+176 low power freq. changers.
**D.Prgr: Testtr:** W 09.00-11.00, 12.00-17.00 (Sat 13.00) — **Reg. Prgr:** W 17.05-19.00, Sat 12.30-13.00, 17.30-19.00 — **Common Prgr:** Mon-Fri 15.40-17.00; Sat 13.00-17.30; Mon-Sat 19.00-21.30 (approx), Sun: 10.00-21.30 (approx).
**Third Prgr:** N 18.00-21.00 (approx). Sat/Sun 16.00-21.00 (approx).

| Stations | chE | kW(ERP) | Stations | chE | kW(ERP) |
|---|---|---|---|---|---|
| Aachen | 58 | 450/45 | Monshau | 50 | 280/28 |
| Bonn | 49 | 85/ 8.5 | Münster-Baumb. | 45 | 250/25 |
| Dortmund | 53 | 470/47 | Wuppertal | 42 | 85/ 8.5 |
| Düsseldorf-Witzh. | 55 | 450/45 | Bielefeld | 46 | 350/35 |

### ZWEITES DEUTSCHES FERNSEHEN

**(Anstalt des öffentlichen Rechts)**
(All prgrs are broadc. simultaneously on the stations listed below and originated at the main studios in Mainz.)
**Addr:** Mainz, Postfach 343. **Te:** 2051. **Telex:** 04-187661 — **L.P:** Dir. Gen: Prof. Dr. K. Holzamer. Dir. Prgr: J. Viehöver. Dir. Inf: W. Dietrich. Dir. Adm: Dr. F. Huch. Dir. Tec: R. Kaiser. Dir. Foreign Relations: E. P. Braun. Film Buyers: K. Brüne, H. Blank.
**Stations:** chE. Pol: H.

| | ch | kW(ERP) | | ch | kW(ERP) |
|---|---|---|---|---|---|
| Aachen | 37 | 500/100 | Göttingen | 21 | 250/50 |
| Ahrweiler | 33 | 500/50 | Haardtkopf | 35 | 400/80 |
| Amberg | 37 | 500/100 | Hamburg | 30 | 500/100 |
| Augsburg | 23 | 500/100 | Hannover | 24 | 500/100 |
| Baden/Baden | 31 | 330/66 | Heidelberg | 27 | 500/100 |
| Bayreuth | 30 | 100/20 | Heubach | 29 | 250/50 |
| Bamberg | 24 | 100/20 | Hochrhein | 39 | 250/50 |
| Berlin | 33 | 500/100 | Hof | 23 | 500/100 |
| Bielefeld | 33 | 500/100 | Hoher Meissner | 32 | 500/100 |
| Bonn | 26 | 100/20 | Hesselberg | 32 | 100/20 |
| Boppard | 28 | 250/50 | Hohes Lohr | 22 | 250/50 |
| Brandenkopf | 28 | 100/20 | Hohenpeissenb. | 22 | 25/5 |
| Bremen | 32 | 500/100 | Höhbeck | 21 | 500/100 |
| Coburg | 22 | 250/50 | Hoher Bogen | 28 | 500/100 |
| Cuxhaven | 24 | 330/66 | Kaiser-slautern | 22 | 25/5 |
| Deggendorf | 33 | 250/50 | Kassel | 35 | 100/20 |
| Donau-eschingen | 22 | 100/20 | Kiel | 35 | 100/20 |
| Donnersberg | 37 | 330/66 | Koblenz | 31 | 100/20 |
| Dortmund | 25 | 500/100 | Landshut | 39 | 200/40 |
| Düsseldorf | 29 | 500/100 | Langenburg | 28 | 250/50 |
| Eiderstedt | 31 | 500/100 | Lingen | 24 | 500/100 |
| Eutin | 21 | 500/100 | Lübeck | 23 | 250/50 |
| Feldberg/Ts. | 34 | 500/100 | Lüdenscheid | 37 | 250/50 |
| Flensburg | 39 | 500/100 | Marienberg | 21 | 500/100 |
| Freiburg/ Breeigau | 33 | 500/100 | Minden-Westf. | 26 | 330/66 |
| Grünten | 28 | 500/100 | Monschau | 21 | 330/66 |
| München | 35 | 250/50 | Rottwell | 35 | 330/66 |
| Münster | 21 | 50/10 | Saarbrücken | 32 | 330/66 |
| Niebüll | 34 | 200/40 | Schleswig | 26 | 100/20 |
| Nürnberg | 34 | 250/50 | Schnaitsee | 26 | 250/50 |
| Osnabrück | 39 | 250/50 | Spessart | 35 | 250/50 |
| Ostfriesland | 33 | 250/50 | Stuttgart | 26 | 300/60 |
| Passau | 30 | 50/10 | Torfhaus | 23 | 500/100 |
| Pfaffenhofen | 31 | 500/100 | Trier | 37 | 50/10 |
| Pforzheim | 34 | 250/50 | Uelzen | 27 | 500/100 |
| Ravensburg | 37 | 500/100 | Ulm | 33 | 500/100 |
| Regensburg | 21 | 500/100 | Würzburg | 25 | 500/100 |
| Rhön | 29 | 500/100 | Wuppertal | 22 | 100/20 |
| Rimberg | 25 | 500/100 | | | |

**D.Prgr:** Test tr's: black and white: Mon-Fri 08.45-09.30, 12.30-13.30, 15.30 until start of prgr; Sat 13.00 until start of prgr; colour: Mon-Fri 07.00-08.45, 13.30-15.30, Sat 11.00-13.00; test-pattern, networkcaption, several test signals Mon-Fri 09.30-12.30.
**Common prgr:** Mon-Fri 16.45-22.00, Sat 13.30-23.30, Sun 10.30-21.30. Sport on Sat & Sun afternoons. Closing times are approx. **Fi:** By licence payments.

### ARMED FORCES TELEVISION (US MIL)

**Addr:** 1) Spangdahlem Air Base, Detachment 101, 7122nd Support Squadron, APO New York, NY 09123; 2) Ramstein Air Base, Detachment 100, 7122nd Support Squadron, APO New York, NY 09012. 3) Detachment 1, 7122nd Support Squadron, APO New York, NY 09611.
**Stations:** 1) Spangdahlem (near Bitburg) chA22 8/1.6kW H, 2) Ramstein (near Kaiserslautern) chA26 3/0.6kW H, 3) Berlin chA25.

## GERMANY

### DEUTSCHER FERNSEHFUNK (Gov.)

**Addr:** Berlin-Adlershof, Rudower Chausse 3-5. **Te:** 63269. **Cable:** Fernsehfunk Berlin. **L.P:** Intendant: H. Adameck, Programm Leitung: D. Schmotz. Sendeleitung: M. Weigand. Leiter der Internationalen Verbindungen: Dr. K. Ottersberg. Stellvertreter des Intendanten: W. Kleinert.
**Stations:** Helpterberg chE3 6/1.5kW H, Cottbus chE4 6/1.5kW H, Berlin/Inselsberg chE5 100/20kW H, Brocken chE6 100/20kW H, Görlitz chE6 V, Schöneck chE6 V, Eisenhüttenstadt chE7 500/100W H, Karl Marx-Stadt chE8 100/20kW H, Marlow chE8 100/20kW H, Lobenstein chE7V, Rhinov chE9 H, Leipzig chE9 100/20kW V, Dresden chE10 100/20kW V, Schwerin chE11 100/20kW H, Frankfurt/Oder chE11 H, Wittenberg chE 11 V, Blessberg chE12 H, Dequede chE31 H, Berlin chE 27 H, Blessberg chE31 H, Inselsberg chE31 H.
**D.Prgr:** Mon-Fri 08.50-13.00, 17.00-22.00; Sat 08.50-23.00; Sun 08.50-22.00. **Ad:** Three times weekly after 18.00.
**TV sets:** 3.385.000.

## GIBRALTAR

### GIBRALTAR TELEVISION (Comm.)

**Addr:** TV House, Wellington Front, Gibraltar. Studios: TV House, Queensway, Gibraltar. **Te:** 4671/2. **Cable:** Broadcasts. **L.P:** see radio. **Station:** chE6 200/40kW H. **D.Prgr:** 18.30-23.00.
**TV sets:** 5.700 — **ALF:** £3-0-0.

## GREAT BRITAIN

### BRITISH BROADCASTING CORPORATION

The BBC's Television Service is an integral part of the British Broadcasting Corporation — **ADDR:** Broadc. House, London W.1 — **L.P:** Dir. TV: K. Adam, C.B.E. Contr. of Prgr's: H. Wheldon, O.B.E, M.C. Contr. BBC-1: P. L. Fox. Contr. BBC-2: D. Attenborough. Contr. Prgr. Sce's: I. Atkins, O.B.E. Contr. TV Adm: S. G. Williams, O.B.E. Gen. Mgr: TV Enterprises: D. G. Scuse, M.B.E. Chief Eng: T. H. Bridgewater, O.B.E.
**BBC-1 (405 lines, VHF)** *=directional aerial

| Stations | ch | kW (ERP) | Pol. | Stations | ch | kW (ERP) | Pol. |
|---|---|---|---|---|---|---|---|
| Crystal Palace | 1 | 200 | V | Skriaig | 3 | 12* | H |
| Ashkirk | 1 | 18* | V | Bressay | 3 | 6* | V |
| Divis | 1 | 35 | V | Morecambe Bay | 3 | 5* | H |
| Redruth | 1 | 10* | H | Blaen-plwyf | 3 | 3* | H |
| Thrumster | 1 | 7* | H | Sutton Coldfield | 4 | 100 | V |
| Llanddona | 1 | 6* | V | Sandale | 4 | 30* | H |
| Llandrindodd | | | V | Sandale | 6 | 70* | H |
| Wells | 1 | 1.5 | H | Melvaig | 4 | 25* | V |
| Holme Moss | 2 | 100 | V | Meldrum | 4 | 17* | H |
| Rosemarkie | 2 | 20* | H | Manningtree | 4 | 5* | H |
| No. Hessary Tor | 2 | 15* | V | Haverfordwest | 4 | 10* | H |
| Swingate | 2 | 1.5* | V | Les Platons | 4 | 1 | H |
| Londonderry | 2 | 1.5* | H | Wenvoe | 5 | 100 | V |
| Kirk o'Shotts | 3 | 100 | V | Wenvoe | 13 | 200* | V |
| Rowridge | 3 | 100* | V | Orkney | 5 | 15* | V |
| Tacolneston | 3 | 45* | H | Pontop Pike | 5 | 17 | H |

# colour capability

**EMI**TELEVISION colour capability did not happen overnight. There is twenty years of operational experience behind it. One of the direct results is the new **EMI**TELEVISION 2001 Separate Luminance Camera, the finest combination of optical system and pick up tube arrangement ever devised. **EMI**TELEVISION colour capability means much more than a compact, highly efficient camera channel. It means a whole range of compatible solid-state studio and O.B. equipment, a fund of practical experience, and continuous research. This capability is at your service.

**EMITELEVISION**

EMI **EMI ELECTRONICS LIMITED** · HAYES · MIDDLESEX · ENGLAND
TELEPHONE: 01-573 3888 · TELEX: 22417 · CABLES: EMIDATA LONDON

| Stations: | ch | kW | Pol | Stations: | ch | kW | Pol |
|---|---|---|---|---|---|---|---|
| Forfar | 5 | 5* | V | Peterborough | 5 | 1 | H |
| Br. Mountain | 5 | 7* | V | Moel-y-parc | 6 | 20* | V |
| Douglas | 5 | 3* | V | Winter Hill | 12 | 125* | V |
| Fort William | 5 | 1.5 | H | Belmont | 13 | 20 | V |

+46 low power satellites.

**D.Prgr:** All stations: Trade Test tr's: Mon-Sat 09.00-13.00. Prgr. (hours approx): Mon-Fri 10.00-12.00, 14.00-14.40. For Schools (during term-time) 09.10-12.00, 14.00-16.30; 17.00-23.05. Sat 13.45-23.00. Sun 14.00-18.15, 19.00-23.00.

**BBC-2 (625 lines, UHF)**

| Stations: | ch | kW (ERP) | Pol. | Stations: | ch | kW (ERP) | Pol. |
|---|---|---|---|---|---|---|---|
| Rowridge | 24 | 500 | H | Reigate | 63 | | V |
| Belmont | 28 | 500 | H | Reigate | 63 | | V |
| Crystal Palace | 33 | 500 | H | Pontop Pike | 64 | 500 | H |
| Sutton Coldfield | 40 | 1000 | H | Hertford | 64 | | V |
| Tunbridge Wells | 44 | | V | Lark Stoke | 26 | 10 | V |
| Black Hill | 46 | 500 | H | Divis | 27 | 500 | H |
| Guildford | 46 | | V | Bromsgrove | 27 | 4 | V |
| Emley Moor | 51 | 1000 | H | Dover | 56 | 100 | H |
| Wenvoe | 51 | 500 | H | Kidderminster | 64 | 2 | H |
| Winter Hill | 62 | 500 | H | Llanddona | 63 | 100 | H |

Colour television in Britain began on BBC-2 on 1 July, 1967. The colour launching period then opened with a minimum of five hours of colour programmes each week, the hours increasing in a build-up to the start of the full colour service on 2 December 1967, when at least 80 per cent off BBC-2 will be in colour.

### INDEPEDENT TELEVISION AUTHORITY (I.T.A.) (Comm.)

**Addr:** 70 Brompton Rd, London, S.W.3. **Te:** 584-7011. **L.P:** Chmn: Rt. Hon. H. Bowden. Dir. Gen: Sir R. Fraser. Dep. Dir Gen. (Prgr. Sces): B. C. Sendall. Dep. Dir. Gen. (Adm. Sces): A. W. Pragnell.

| Stations: | ch | Po. | W(ERP) | Area served |
|---|---|---|---|---|
| Croydon | 9 | V | 400 | London |
| Lichfield | 8 | V | 400 | Midlands area |
| Membury | 12 | H | 30 | Midlands area |
| Scarborough | 6 | H | 1 | Norths area |
| Winter Hill | 9 | V | 100 | Norths area |
| Emley Moor | 10 | V | 200 | Norths area |
| Black Hill | 10 | V | 475 | C. Scotland |
| St. Hilary | 10 | V | 200 | So. Wales, We. Engl. |
| Chillerton Down | 11 | V | 100 | So. England |
| Dover | 10 | V | 100 | So. England |
| Burnhope | 8 | H | 100 | No. Ea. England |
| Mendlesham | 11 | H | 200 | Ea. England |
| Sandy Heath | 6 | H | 30 | Ea. England |
| Belmont | 7 | V | 20 | Ea. England |
| Black Mountain | 9 | H | 100 | No. Ireland |
| Strabane | 8 | V | 100 | No. Ireland |
| Stockland Hill | 9 | V | 100 | So. We. England |
| Caradon Hill | 12 | V | 200 | So. We. England |
| Caldbeck | 11 | H | 100 | The Borders |
| Selkirk | 13 | V | 25 | The Borders |
| Richmond Hill | 8 | H | 10 | The Borders |
| Durris | 9 | H | 400 | No. Ea. Scotland |
| Mounteagle | 12 | H | 50 | No. Ea. Scotland |
| Rumster Forest | 8 | V | 30 | No. Ea. Scotland |
| Angus | 11 | V | 50 | No. Ea. Scotland |
| Fremont Point | 9 | H | 10 | Channel Islands |
| Presely | 8 | H | 100 | Wales |
| Arfon | 10 | H | 10 | Wales |
| Moel-y-parc | 11 | V | 25 | Wales |
| St. Hilary-Down | 7 | V | 100 | Wales |
| Bala | 7 | V | 100 | Wales |

**D.Prgr:** Trade transm: W 09.30-until 15 mins. before prgr. For schools (during term time) Mon-Fri 11.00-12.00, 14.00-15.00.
**Prgr's:** Mon-Fri 14.45-23.45, Sat 12.00-24.00, Sun 11.00-24.00.
**Fl:** Prgr. contractors financed from adv. revenue. I.T.A. financed from rentals paid by contractors. **Ad:** 6 mins. per h averaged over the day. Max. in any 1 h is 7 mins.
**Independent Television News Ltd,** TV House, Kingsway, London, W.C.2. **L.P:** Chief Executive: Editor G. Cox. Gen. Mgr: W. Hodgson. Chief News Editor: H. Whitcomb — Provides the main news bulletins for all ITA Areas — **Independent Television Companies Association,** Knighton House, 52 Mortimer Street, London W.1 — **L.P:** Chmn: R. D. Gill — The Association acts on behalf of all prgr. companies on certain matters of common interest.
**Prgr. Companies:**
**ABC Television Ltd,** TV House, Mount Street, Manchester, 2. **Te:** Deansgate 4597. **L.P:** Man. Dir: H. Thomas. Head of TV Film Unit: R. H. Norris — **Anglia Television Ltd,** Anglia House, Norwich. **Te:** 28366. **L.P:** Head of Films: B. Milne — **ATV Network Ltd,** ATV House, 17 Gt. Cumberland Place, London, W.1. **Te:** Ambassador 8040. **L.P:** Head of Factual Programming: R. Heller — **Border Television Ltd,** The Television Centre, Carlisle 25101. L.P: Man. Dir: J. Bredin. Sales Contr: B. Blyth — **Channel Islands Communication (Television) Ltd,** The Television Centre, Rouge Bouillon, St. Helier, Jersey, C.I. **Te:** 23451. **L.P:** Man. Dir: K. A. Killip — **Grampian Television Ltd,** Queen's Cross, Aberdeen. **Te:** Aberdeen 53553. **L.P:** Man. Dir: G. E. Ward Thomas. Head of Films: A. Elkins — **Granada Television Ltd,** Granada TV Centre, Quay Street, Manchester 3. **Te:** Deansgate 7211. **L.P:** Man. Dir: C. G. Bernstein — **Rediff. Television Ltd,** TV-House, Kingsway, London, W.C.2. **Te:** Holborn 7888. **L.P:** Gen. Mgr. J. McMillan — **Scottish Television Ltd,** Theatre Royal, Hope St, Glasgow, C.2. **Te:** Douglas 9999. **L.P:** Man. Dir: W. Brown — **Southern Television Ltd,** Southern Independent Television Centre, Northam, Southampton. **Te:** 28582. **L.P:** Man. Dir: C. D. Wilson — **TWW Ltd,** Pontcanna Studios, Cardiff. **Te:** 26633. **L.P:** Man. Dir: J. Baxter (in operation until 30th July 1968) — **Tyne Tees Television Ltd,** Television Centre, City Road, Newcastle-upon-Tyne. **Te:** 610181. **L.P:** Man. Dir: J. A. Jelly — **Ulster Television Ltd,** Havelock House, Ormeau Rd, Belfast 7. Te: 28122. **L.P:** Man. Dir: R. B. Henderson — **Westward Television Ltd,** Derry's Cross, Plymouth. **Te:** 69311. **L.P:** Man. Dir: W. H. Cheevers. After 30th July, 1968, three new Companies will come into operation: **London Weekend Television Ltd,** 1 Stanhope Gate, London W.1 (temporarily) — **Yorkshire Television Ltd,** 7 Portland Place, London W.1 — **Harlech Television Ltd,** 43 Pall Mall, London S.W.1 (temporarily). Also, the existing Companies **Rediffusion** and **ABC** will be amalgamating.

**TV sets:** 13.775.000 — **ALF:** £5/-/-.
No figure available for colour TV sets in use. An additional annual licence fee of £5/-/- for colour TV sets will be payable from January 1st, 1968.

## GREECE

### NATIONAL HELLENIC BROADCASTING INSTITUTE

**Addr:** Mourouzi Str. 16, Athens 138 — **L.P:** Dir: M. Jiannakakos. **Station:** Athens chE5 0.1kW — **D.Prgr:** Experimental tr's: 17.00-18.30(approx).

### FORCES TV STATION

**Addr:** Army Geographical Service Pedion Areos, Athens. **L.P:** Dir: A. Rondostavlou. **Station:** chE10 0.5kW — **D.Prgr:** Expermental tr's Sun, Wed, Sat 19.00-20.30 (approx).
**TV sets:** 19.200.

## HOLLAND

### NEDERLANDSE TELEVISIE STICHTING (N.T.S.)

**Addr:** P.O. Box 10, Hilversum. **Te:** 02950/16851. **Cable:** Televisie. The Dutch prgr's are provided by the N.T.S. and the broadc. societies as mentioned under radio. **L.P:** Board of the N.T.S: Chmn: E. A. Schüttenhelm. Vice Chmn: H. W. van Doorn. L.L.D. Secr: Ch. E. van der Ploeg.
**Prgr. I (Pol: H):**
**Stations:** Lopik chE4 100/20kW, Roermond chE5 50/10kW, Smilde chE6 40/8kW, Goes chE7 5/1kW+chE29 125/25kW, Markelo chE7 30/6kW, Den Helder chE10 1/0.2kW, Wieringermeer chE39 300/60kW.
**Prgr. II (Pol: H):**
Lopik chE27 1000/100kW, Roermond chE31 500/100kW, Goes chE32 125/25kW, Wieringermeer chE45 300/60kW, Smilde chE47 1000/100kW, Markelo chE54 300/60kW.
**D.Prgr** (Prgr I): Sun 14.30-16.00, 17.40-21.30; Mon, Tues 17.45-21.35; Wed 16.00-16.35, 17.45-21.50; Thurs, Fri 17.45-21.50; Sat 14.30-16.30, 17.45-21.50.
**D.Prgr** (Prgr II): Sun 19.00-21.10; Mon 19.00-21.15; Tues 19.00-21.15 (or 22.00); Wed/Thurs/Fri/Sat 19.00-21.30.
**Adult Education:** Prgr I: Tues 11.00-11.30; Tues/Thurs 22.00-22.30; Prgr II: Mon/Wed/Fri 21.30-22.00.
**Ads** are permitted to a max. of 15 min's daily.

### TECHNICAL UNIVERSITY DELFT

The exp. colour-tr. at the Technical University in Delft, constructed by staff and students, is testing at irr. times at a strict education level when this needed in the studyscheme, in order to acquaint the students with various techniques. **Addr:** Technische Hogeschool, Lab. voor Elektronica, Afdeling der Elektrotechniek, Kanaalweg 2b, Delft. **L.P:** Ir. F. G. S. Huigen. Ir. D. Ch. van Maaren, K. Hoen, F. L. W. Dijstelbergen — **Station** chE30 600/120W.

**TV sets:** 2.400.000 — **ALF:** Dfl.36,-.

## HUNGARY

### MAGYAR RADIO ES TELEVIZIO

**Addr:** Television Direction, V. Szabadsagter 17, Budapest. **Te:** 113-200. **L.P:** Dir. Gen: F. Gódor. Dir: F. Kulcsár. Dir. Tec: R. Kerpel. Head, Foreign Relations: G. Lenart.

| Stations: | | ch | kW/Pol | Stations: | ch | kW/Pol |
|---|---|---|---|---|---|---|
| Budapest | I | R1 | 30/10H | Miskolc | R9 | 0.05/0.025H |
| Pécs | | R2 | 1/0.4H | Sopron | R9 | 0.05/0.025V |
| Tokaj | | R4 | 20/5H | Szentes | R11 | 20/4H |
| Kékes | | R8 | 4/0.8H | Kabhegy | R12 | 20/4H |

**D.Prgr:** Tues, Wed, Thurs, Sat: 17.00-22.00, Sun 09.00-11.00, 15.00-22.00.
**TV sets:** 1.095.421 — **ALF:** 600 Forint.

## ICELAND

**RIKISUTVARPID-SJONVARP**
**ICELAND STATE BROADCAST SERVICE — TELEVISION**
**Addr:** Laugavegur 176, Reykjavik. **Te:** 3-88-00. **Telex:** 35. **Cable:** Isvision. **L.P:** Dir. Gen: V. Th. Gislason. Dir. TV: P. Gudfinnsson. Dir. Tec: J. D. Thorsteinsson. Head of N. and Educ: E. Björnsson. Head of Arts and Entertainment: S. Hjörleifsson. **Stations:** Reykjavik chE10 1kW, Westmannaeyjar chE5 0.25kW, Borgarnes chE7 0.05kW+8 low power repeaters at Grindavik, Vik i Myrdal, Stykkisholmur, Grundarfjördur, Olafsvik, Hellissandur, Selfoss & Kopavogur. **D.Prgr:** Mon, Fri 21.00-24.00; Tues 21.00-23.00; Wed 19.00-20.00, 21.00-24.00; Sat 18.00-20.00, 21.00-24.00; Sun 19.00-23.00. Thurs. no prgr.
**TV sets:** 20.000 — **ALF:** 2400,- Kronas.

## IRELAND

**RADIO TELEFIS EIREANN (Statutory Corporation)**
**Addr:** Donnybrook, Dublin 4. **Te:** 693111. **Telex:** 5268. **L.P:** Contr. of Prgr's: M. Garvey. For other personnel: see radio. **Stations:** [1]System I (625 lines). [2]System A (405 lines). Mt. Kippure[2] ch B7 100/25kW H, Truskmore[2] ch B11 100/20kW V, Kippure[1] ch IH 100/20kW H, Maghera[1] ch IB 80/16kW H, Mt. Leinster[1] ch IF 100/20kW V, Mullaghanish[1] ch ID 100/20kW V, Truskmore[1] ch IJ 100/20kW V+8 low power relay st's. **D.Prgr:** 17.30-23.15. **Fi:** By licence payments and adv. **Ad:** 10% of prgr. hrs.
**TV sets:** 305.000 — **ALF:** £5-0-0.

## ITALY

**RADIOTELEVISIONE ITALIANA**
The television Sce is an integral part of the Radiotelevisione Italiana.
**Addr:** Direzione Centrale TV, Viale Mazzini 14, Roma.
**L.P:** Dir. Prgr: Dr. L. Beretta. Dir. Tec: Eng. G. Orsini. For other personnel: see radio.

**NATIONAL PRGR:**
**Piemonte:** Torino (C-o) 16/3.2kW+28 satellites.
**Lombardia:** Milano (G-o) 24/4.8kW — M. Penice (B-o) 100/20kW+79 satellites.
**Trentino-Alto Adige:** Paganella (G-o) 1.33/0.266kW+49 satellites.
**Veneto:** M. Venda (D-o) 100/20kW+68 satellites.
**Friuli-Venezia Giulia:** Trieste (G-o) 1.4/0.28kW — Udine (F-o) 2/0.4kW+24 satellites.
**Liguria:** Portofino (H-o) 127/25.4kW+37 satellites.
**Toscana:** M. Argentario (E-o) 2.5/0.5kW — M. Serra (D-o) 270/54kW+49 satellites
**Marche:** M. Conero (E-o) 24/4.8kW — M. Nerone (A-o) 34/6.8kW+49 satellites.
**Umbria:** M. Peglia (H-o) 32/6.4kW+19 satellites
**Lazio:** M. Favone (H-o) 0.9/0.18kW — Roma (G-o) 36/7.2kW +25 satellites.
**Abruzzo:** Pescara (F-o) 1/0.2kW+10 satellites.
**Campania:** M. Faito (B-o) 40/0.8kW — M. Vergine (D-o) 1/0.2kW+57 satellites
**Puglia:** Martina Franca (D-o) 220/44kW — M. Caccia (A-o) 34/6.8kW — M. Sambuco (H-o) 35/7kW+46 satellites.
**Calabria:** Gambarie (D-o) 19/3.8kW — M. Scuro (G-o) 8/1.6kW — Roseto Capo Spulico (F-v) 12/2.4kW+24 satellites.
**Sicilia:** M. Cammarata (A-o) 35/7kW — M. Lauro (F-o) 50/12kW — M. Pellegrino (H-o) 8/1.6kW — M. Soro (E-o) 5/1kW+46 satellites.
**Sardegna:** M. Limbara (H-o) 3/0.6kW — M. Serpeddi (G-o) 2.12/0.424kW — Punta Badde Urbara (D-o) 145/29kW+31 satellites.
**D.Prgr:** W 08.30-14.30 "Telescuola" (for schools), 17.30-18.30 (Childrens h), 18.30-23.15 (approx). Sun 10.15-12.00, 15.00-23.15.

**SECOND PRGR:**
**Piemonte:** Torino (ch30) 200/40kW+satellites — **Lombardia:** Milano (ch26) 15/3kW — M. Penice (ch23) 1800/360kW+13 satellites — **Trentino-Alto Adige:** Paganella (ch21) 10/2kW +9 satellites — **Veneto:** M. Venda (ch25) 1000/200kW+13 satellites — **Friuli-Venezia Giulia:** Trieste (ch31) 25/5kW — Udine (ch22) 150/30kW+7 satellites — **Liguria:** M. Beigna (ch32) 60/12kW — Portofino (ch29) 1000/200kW+12 satellites — **Toscana:** M. Argentario (ch24) 250/50kW — M. Serra (ch27) 200/40kW — Monte Luco (ch23) 20/4kW+15 satellites — **Marche:** M. Conero (ch26) 200/40kW — M. Nerone (ch33) 200/40kW+12 satellites — **Umbria:** M. Peglia (ch31) 200/40kW +8 satellites — **Lazio:** Roma (ch28) 150/30kW — M. Favone (ch29) 20/4kW+5 satellites — **Abruzzo:** Pescara (ch30) 30/6kW +6 satellites — **Campania:** M. Faito (ch23) 1400/280kW — M. Vergine (ch31) 15/3kW+17 satellites — **Puglie:** Martina Franca (ch32) 700/140kW — M. Caccia (ch25) 500/100kW — M. Sambuco (ch27) 200/40kW+19 satellites — **Colombia:** M. Scuro (ch28) 25/5kW — Gambaria (ch26) 200/40kW+10 satellites — **Sicilia:** M Cammarata (ch34) 200/40kW — M. Pellegrino (ch27) 40/8kW — M. Soro (ch32) 15/3kW — M. Lauro (ch24) 200/40kW+16 satellites — **Sardegna:** M. Limbara (ch32) 20/4kW — M. Serpeddi (ch30) 250/50kW — Punta Badde Urbara (ch27) 200/40kW+10 satellites.
+34 low power st's less 1kW.
**Po:** All st's H, exc. M. Faito, M. Argentario, Gorozia, M. Settepani, M. Ortobene, Gambarie, M. Pellegrino, Cagliari, Sassari, La Spezia, Teramo and Alghero: V.
**D.Prgr:** Sun: 18.00-19.25, 21.00-23.30 (approx). **W:** 21.00-23.15 (approx). **N:** 21.00 — **Ad:** Nat. Prgr: 3.2%, 2nd Prgr: 2.2% of broadc. time — **TV sets:** 6.702.544 — **ALF:** Lire 12.000,-.

## LUXEMBOURG

**TELE LUXEMBOURG (Comm.)**
**Addr:** Compagnie Luxembourgeoise de Télédiffusion, Villa Louvigny, Luxembourg. **L.P:** see radio.
**Station** (819 lines): Dudelange ch7 100/20kW H + 5 low power satellites. **D.Prgr:** 17.45 (Thurs, Sat, Sun 16.00)-21.30.
**TV sets:** 41.288 — **ALF:** L.Frs. 195,00.

## MALTA

**BROADCASTING AUTHORITY MALTA**
an independent Authority, to regulate and supervise radio and television broadc. in Malta with power to prescribe and produce prgr's — **Addr:** 12 Old Treasury Street, Valletta. **Cable:** Broadcasts. **Te:** Ce 21281 — **L.P:** see radio.

**THE MALTA TELEVISION SERVICE LTD. (Comm.)**
A Subsidiary of Rediff. International Ltd, London (Priv. Comm.). **Addr:** P.O. Box 384, Gwardamanga. **Te:** Ce 25051. **Cable:** Television. **L.P:** Gen. Mgr. E. A. Hamilton-Hill, O.B.E. Mgr: W. A. Fenton. **Station:** ChE10 4.8/1.2kW H. **D.Prgr:** 17.30-21.30. **Fi:** Adv. revenue and contributions for certain prgr's prescribed by Malta Broadc. Authority.
**TV sets:** 33.312 — **ALF:** £4-0-0.

## MONACO

**TELE MONTE-CARLO (Comm.)**
**Addr:** 16 Blvd. Princess Charlotte, Monte-Carlo. **Cable:** Tele Carlo. **Te:** 305940. **L.P:** Dir. Gen: J. Frydman. Gen. Mgr: J. F. Micheo. Dir. Tec: R. Giraud. **Stations:** chF2, F10 50/12.5kW H. **D.Prgr:** 18.30-22.00. Monoscope identification W 14.00-16.00.
**TV** sets: 15.000.

## NORWAY

See radio section. **TV sets:** 631.680 — **ALF:** N.Kr. 150,-.

## POLAND (People's Republic of)

**POLSKIE RADIO TELEWIZJA (Gov.)**
**Addr:** Telewizja, Plac Powstanców 7, Warszawa. **Te:** 263093. **Cable:** Telewar. **Telex:** 81421. **L.P:** Pres: W. Sokorski. Vice Pres: S. Stefanski. Vice Pres. Engineering: K. Kozlowski. Dir. Prgr: S. Stampfl. Chief Eng: R. Dzwonik. Film Buyer: W. Jankowski. Head Foreign Rel: T. Kedzierski.
**Main Station:** Pol. H (exc. where indicated); ch OIRT.

| | ch | kW | | ch | kW |
|---|---|---|---|---|---|
| Bydgoszcz | 1 | 100/20 | Bialystok | 8 | 100/20 |
| Kielce | 1 | 1.8/0.35 | Lublin | 9 | 120/24V |
| Warszawa | 2 | 6/1.5 | Krakow | 10 | 100/20 |
| Zielona Gora | 3 | 200/40 | Gdánsk | 10 | 100/20 |
| Olsztyn | 6 | 10/2 | Wroclaw | 12 | 127/25 |
| Lódz | 7 | 3.5/0.8 | Szczecin | 12 | 8/1.6 |
| Poznan | 7 | 9/1.8 | Rzeszów | 12 | 100/20V |
| Katowice | 8 | 265/53 | +40 low power satellites. | | |

**D.Prgr's:** 08.00-10.00, 16.00-22.00.
**TV sets:** 2.700.000 — **ALF:** 480 Zlotys.

## PORTUGAL

**RTP-RADIOTELEVISAO PORTUGUESA S.A.R.L. (Comm.)**
**Addr: Head office:** Rua de S. Domingos (à Lapa), 26 Lisboa. **Studio in Lisboa:** Alameda das Linhas de Torres, 44. **Porto:**

Vila Nova de Gaia. **Cable:** Televisão. **Te:** 666134 — **L.P:** Dir. Adm: F. X. A. Conceicao. Dir. Prgr: C. M. de Araujo. Dir. Tec: F. B. Machado. Head External Rel. Div: Dr. A. de Bivar. Asst. Gen. Mgr (Adm.): Eng. F. X. Conceicão. Asst. Gen. Mgr. (Prgr): Eng. E. Matos Correia. Dir. of Operations: Eng. J. M .Alenquer.
**Stations:** chE: Lisboa 7 100/20kW H, Porto 9 100/20kW H, Lousa 3 60/12kW H, Montejunto 6 1/0.2kW H, Mendro 5 20/4kW H, Muro ch2 40/8kW V. **Relay st's:** Monchique ch8 15/3kW H, Marofa ch5 5/1kW H, S.Mamede ch 10 5/1kW H + 13 low power st's. **D.Prgr:** W 14.00-23.00. Sun 11.30-12.30, 14.00-23.00 — **Fi:** Licence payments and adv.
**TV sets:** 260.030 — **ALF:** Esc. 360.

## RUMANIA

### RADIODIFUZIUNEA TELEVIZIUNEA ROMANA (Gov.)

**Addr:** Televiziunea Romana, Str. Molière 2, Bucharest. **L.P:** see radio — **Stations** (System OIRT - 625 lines): H.
Bucuresti chR2 20/10kW, Bacau chR1 0.6/0.4kW, Oradea chR3 20/6kW, Tg. Mures chR5 5/1.5kW, Timisoara chR9 5/1.5kW, Iasi chR9 5/1.5kW, Constanta chR10 4/1.5kW, Cluj chR11 4/1.5kW, Deva chR12 5/1.5kW, Bucegi chR6 20/6kW, Craiova chR8 20/6kW, Suceava chR4 4/1.5kW + 37 low power repeater st's — **D.Prgr:** Tues-Sat 16.00-21.00; Sun 07.00-11.00, 16.00-21.00. Monday no prgr's — **TV sets:** 577.000.

## SPAIN

### TELEVISION ESPANOLA (Gov.)

**Addr:** Apt. de Correos 26002, Madrid 11. **Te:** 2381333. **Telex:** 07694. **L.P:** Dir. Gen: J. Aparicio B. Vice Dir. Gen: L. Ezcurra C. Dir. Prgr. (1st Netw): A. Saurez. Dir. Prgr. (2nd Netw): S. Pons. Dir. Tec: M. Romero.
**Stations (Pol: H):**
**1st Prgr:** Madrid chE2 500kW, Zaragoza chE3 35kW, Alicante chE3 60kW, Oviedo chE3 60kW, Madrid chE4 1.5kW, Barcelona chE4 150kW, Bilbao chE4 60kW, Sto. de Compostela chE4 120kW, Sevilla chE4 120kW, Lérida chE5 3kW, Valencia chE5 3kW, Mallorca chE6 3kW, Granada chE7 200kW.
**D. Prgr:** Mon-Fri 13.00-16.00, 18.00-23.00; Sat 13.00-24.00; Sun 09.30-23.00.
**2nd Prgr:** Madrid chE21 10/2kW H, Madrid Navacerrada chE24 1500/300kW H, Bilbao chE24 10/2kW H, Valencia chE24 10/2kW H, Barcelona ch31 20/4kW H, Zaragoza chE33 10/2kW H, San Sebastian chE48 10/2kW H. **D.Prgr:** 19.45-23.00 (Sat 24.00).
**TV sets:** 2.325.000.

## SWEDEN

### SVERIGES RADIO

Swedish TV, run by Sveriges Radio, has the same non-comm. and official status as the broadc. service — **Addr:** Radiohuset, Oxensteirnsgatan 2, Stockholm. Postal Addr: Box 955, Stockholm 1. **Te:** 670865 (local 631000). **Cable:** Broadcast — **L.P:** Dir. Prgr: N. E. Bachrendtz. For other personalities: see radio.
**Kungl. Telestyrelsen** (The Telecommunication Administration) has the responsibility for the distribution of the prgr's produced by Sveriges Radio and has also charge of the collection of fees.
**Addr:** Box 16065, Stockholm 16 — **L.P:** see radio.
**Stations:** chE, Po: H, kW (E.R.P.).

| Name | ch | kW | Name | ch | kW |
|---|---|---|---|---|---|
| Hörby | 2 | 100/20 | Trollhättan | 7 | 1/0.2 |
| Örebro | 2 | 60/12 | Bäckefors | 8 | 60/12 |
| Vännäs | 2 | 60/12 | Emmaboda | 8 | 60/12 |
| Uddevalla | 2 | 5/1V | Haparanda | 8 | 60/12 |
| Skövde | 3 | 60/12 | Lycksele | 8 | 30/6V |
| Sveg | 3 | 60/12 | Mora | 8 | 10/2V |
| Boden | 4 | 60/12 | Västeras | 8 | 10/2 |
| Finnveden | 4 | 3/0.6V | Väddö | 8 | 200/40V |
| Stockholm | 4 | 60/12 | Ånge | 8 | 15/3 |
| Östersund | 4 | 60/12 | Gällivare | 9 | 60/12 |
| Arvidsjaur | 5 | 60/12 | Gävle | 9 | 60/12 |
| Norrköping | 5 | 60/12 | Göteborg | 9 | 60/12 |
| Sundsvall | 5 | 60/12 | Hälsingborg | 9 | 1/0.2 |
| Vislanda | 5 | 5/1V | Tasjö | 9 | 60/12 |
| Karlstad | 5 | 1/0.2V | Linköping | 9 | 1/0.2 |
| Kiruna | 6 | 60/12 | Visby | 9 | 25/5 |
| Västervik | 6 | 25/5 | Karlskrona | 9 | 3/0.6V |
| Bollnäs | 6 | 60/12 | Nässjö | 10 | 60/12 |
| Skelleftea | 6 | 10/2 | Borlänge | 10 | 60/12 |
| Uppsala | 6 | 3/0.6 | Malmö | 10 | 1/0.2 |
| Örnsköldsvik | 6 | 3/0.6V | Storuman | 10 | 60/12 |
| Boras | 6 | 3/0.6V | Varberg | 10 | 1/0.2V |
| Pajala | 7 | 60/12 | Karlshamn | 11 | 10/2 |
| Solleftea | 7 | 60/12 | Kisa | 11 | 30/6 |
| Sunne | 7 | 60/12 | Östhammar | 11 | 30/6 |
| Halmstad | 7 | 60/12 | Hörby | 43 | 500/100 |
| Motala | 7 | 3/0.6 | Örebro | 48 | 500/100 |

+94 low power satellites.

**TV st's under construction:** 21 satellites between 0.001 and 0.15kW(ERP).
**D.Prgr:** (Schools prgr's not included): Sun 12.00-14.00, 15.00-16.00, 17.15-22.00; Mon 13.00-15.00, 17.30-21.45; Tues 15.30-15.50, 18.00-21.00; Wed 13.00-15.15, 17.30-21.00; Thurs 18.00-21.30; Fri 15.30-15.50, 17.00-21.35; Sat 13.00-22.30. Times are approx.
**TV sets:** 2.216.016 — **ALF:** Sv. Kr. 135,00 (radio + tv).

## SWITZERLAND

### SBC SWISS BROADCASTING CORPORATION

The SBC's Television programme services are an integral part of the Swiss Broadcasting Corporation.
**Addr:** SBC, Giacomettistrasse 1, 3000 Berne 16. **Cable:** Radif. **Te:** 031.44.55.55. **Telex: 32.116** — **L.P:** TV Dir. at the headquarters of the SBC: Edouard Haas. Head of TV Coordination: F. R. Tappolet. Head of Technic: H. R. Züst. **Prgr. Sce. in German:** Reg. TV Dir. Dr. Guido Frei, Florastrasse 44, 8008 Zürich. **Te:** 051.47.68.00. **Prgr. Sce. in French:** Reg. TV Dir. René Schenker, 6, Place des Eaux-Vives, 1211, Genève. **Te:** 022.35.90.60. **Prgr. Sce. in Italian:** Reg. TV Dir. Franco Marazzi, 6903 Lugano-Besso. **Te:** 091.3.20.21.
**Stations:** chE Po: H.

| German Prgr: | ch | kW |
|---|---|---|
| Bantiger | 2 | 100/20 |
| Celerina | 9 | 6/1.2 |
| Niederhorn | 12 | 5/1 |
| Rigi | 6 | 30/6 |
| St. Crishona | 11 | 50/10 |
| Säntis | 7 | 3.6/0.7 |
| Uelitberg | 3 | 100/20 |
| Valzeina | 10 | 5/1 |
| +36 low power Boosters. | | |
| **French Prgr** | **ch** | **kW** |
| Bantiger | 10 | 100/20 |
| H. Nendaz | 7 | 3/0.6 |

| French Prgr: | ch | kW |
|---|---|---|
| La Chaux de Fonds | 9 | 4.5/0.9 |
| La Dôle | 4 | 144/28.8 |
| Les Ordons | 7 | 6/1.2 |
| Mt. Pelerin | 11 | 3.5/0.7 |
| +21 low power Boosters. | | |
| **Italian Prgr:** | **ch** | **kW** |
| Mte. Ceneri | 5 | 4.5/0.9 |
| Mte. S. Salvatore | 10 | 10/2 |
| +19 low power Boosters. | | |

**D.Prgr: German:** Sun 09.00-10.00 (fortnightly), 10.00-11.15, 13.00-21.30; Mon 17.15-21.45; Tues 17.45-21.45; Wed 15.30-21.45; Thurs 16.00-21.30; Fri 15.45-22.30; Sat 13.00-14.00. 15.15-22.00 (every six weeks: 13.00-22.00).
**French:** Sun 09.00-10.00 (fortnightly), 10.00-21.45; Mon 16.00-21.45; Tues 17.45-22.00; Wed 16.00-21.45; Thurs 16.00-21.45; Fri 17.45-23.00; Sat 13.00-14.00, 16.00-23.15.
**Italian:** Sun 09.00-10.00 (fortnightly), 10.00-11.00, 12.30-18.00, 18.45-21.45; Mon 17.00-22.00; Tues 17.00-22.30; Wed 16.00-22.00; Thurs 16.00-22.00; Fri, 17.00-22.00; Sat 13.00-14.00, 15.30-22.00.
**Relay facilities:** A microwave link across the Alps. It runs from Gempen, near Bale (northern border) to Froburg-Bantiger-Jungfrau (12.200 ft.) — Mt. Generoso (southern part of Switzerland) on the one side, and the German and Italian TV systems on the other side — A second microwave link runs from Uetliberg-Froburg-Bantiger-Romont-La Dole. It has been extended to Cuiseaux for the programme exchange with France — Third link: Uetliberg-Säntis-Pfänder (Austria).
**Fi:** By the proceeds from the TV licence-fees, divided between the SBC and PTT at the rate of 70:30 per cent and from February 1st, 1965, by the proceeds from commercial television: 12 minutes (15 minutes from Jan. 1st, 1968) per weekday at the utmost in the early evening, at the rate of 7000 frs a minute — **TV sets:** 831.216 — **ALF:** Frcs 84,-.

## U.S.S.R.

### THE SOVJET TELEVISION (Gov.)

**Addr's of the most important TV studios:** Tsentralnaja studija televidenija Moskva, ul. Sjabolovka 53 (Dir: I. Inozemtsev) — Leningradskaja studija televidenija Leningrad ul. Malaja Sadovaja 2 — Kijevskaja studija televidenija Kijev, Krestjatik 24 — Minskaja studija televidenija Minsk, ul. Kalinina 6 — Rizjskaja studija televidenija Riga, ul. B. Nometnu 62 — Tallinskaja studija televidenija Tallin, ul. Krejsvalda 14 — Bakinskaja studija televidenija Baku, Parkovajaul — Tasjkentskaja studija televidenija Tasjkent, ul. Navoi 69 — Jerevanskaja studija televidenija Jerevan, pr. Ordzjonokidze 22 — Tbilisskaja studija televidenija Tbilisi pr. Rustaveli 12 — Vilnjusskaja studija televidenija Vilnius, studija televidenija — Alma-Atinskaja studija televidenija Alma-Ata, studija televidenija — Kisjinjovskaja studija televidenija Kisiinjov, studija televidenija.
**Stations: Television Centres:** Channel R. Def. 625. Po: H. Moscow ch1 15/5kW — Moscow ch3 7.5/3kW — Moscow ch8 (colour). **D.Prgr: ch1:** W 09.00-10.00, 13.55-20.00; Sat 11.55 (Sun 07.00)-20.00. **Ch3:** (Moscow local prgr.) 15.30-20.30. **ch8:** (educational prgr.) **D** 1 h (15.00-16.00 approx: Fri 08.00-09.00).
**RSFSR:** Abakan ch1 — Arkhangelsk ch1: 13.00-18.00: Sat 12.30-16.00; Fri/Sun also 12.30-16.00 — Biysk ch1 50/10kW H — Blagoveschensk ch3 5/2kW — Bryansk ch2 — Gerespovey ch3 1/0.4kW — Chelyabinsk ch4 15.00-18.00 — Gerespovey ch5 50/10kW H — Gorki ch3 2/0.4kW — Gorki ch2 20/4kW H —

Grozny ch3 — Izhevsk ch2 — Irkutsk ch3 — Kazan ch1 2/0.4kW — Kaliningrad ch 4: 15.00-19.30 — Kemerovo ch5 — Khabarovsk ch3 — Kirov ch3 — Komsomolsk ch1 — Krasnodar ch5 — Kranojarsk ch2 — Kurgan ch5 — Kurgan ch3 5/1kW H — Kursk ch9 — Kuybyshev ch3 — Leningrad ch1 15/5kW — Leinngrad 11 ch3 — Magadan ch1 — Magnitogorsk ch3 — Minsk ch1 5/2kW H — Murmansk ch3 — Nalchik ch1 5/2kW — Novomoskovsk ch5 — Novosibirsk ch2 — Norilsk ch1 — Omsk ch1 5/2kW — Orel ch6 — Orenburg Penza ch4 — Perm ch1 — Petrozavodsk ch2 5/2.5kW : 15.00-19.00 — Petropavlosk/ Kamchatka — Pyatigorsk ch2 — Rostov ch1 — Rybtsovsk ch2 — Saransk ch8 — Saratov ch1 — Smolensk ch5 — Sochi ch1 — Sverdlovsk ch3 5/2kW — Tomsk ch1 5/2kW — Tyumen ch1 5/2kW — Ulyanovsk ch5 — Ufa ch1 5/2kW — Vladivostok ch1 — Vorkuta ch3 — Voronezh ch3 — Yaroslave ch2 — Konotop, Kurgan, Raychinsk, Uhkta, Urgench, Yoshar-Ola, Yuzhno-Sakhalinsk ch3 — Skytyvkar — Ulan-Ude ch3 — Volgograd ch4.

**Azerbajan SSR:** Baku ch3 5/2kW. **D.Prgr:** 14.05-18.30 — Baku II ch7 (Rel. R. Moscow) 14.00-16.00.

**Lithuanian SSR:** Vilnius ch4 15/5kW — **Armenian SSR:** Yerevan ch1 5/kW: Mon-Fri 14.30-18.00, Sat, Sun 06.00-12.00, 14.00-20.00; ch8 (rel Moscow) 13.45 (Sat, Sun)-20.00.

**Estonian SSR:** Tallinn ch2 15/5kW — Tallinn II ch3 10/2kW H — **Kazakh SSR:** Alma-Ata I ch3 5/2kW 11.00-18.00 (Sun also 05.00-07.00) in Kazakh & Russian; Alma-Ata II ch10 (Rel. R. Moscow) — Balkhash — Aktjubinsk — Chimkent — Uralsk — Dzherzkazgan ch1 — Karaganda ch1 — Kustanai — Pavlodar-Petropavlovsk — Rudno — Tselinograd — Ust-Kamenorgorsk ch1.

**Latvian SSR:** Riga I ch3 5/2kW: 09.00 (Sun 07.00)-11.00, 14.55 (Sat 12.55)-19.00, Sun 13.15-20.00 — Riga II ch10 (Rel. R. Moscow): 08.00-10.00, 13.45-19.00, Sat/Sun 10.15-19.00 — **Moldavian SSR:** Kichinev ch3 15/5kW 16.00-20.00 — **Ukranian SSR:** Dnepropetrovsk ch5 5/2kW — Donetsk ch4 15/4kW — Kherson ch3 2/1kW — Kiev ch2 15/5kW 15.00-20.00 (Sat also 10.30-11.00, 13.30-14.00) — Kiev II ch1 1/0.2kW — Kiev III ch3 20/4kW H — Lugansk ch2 — Lutsk ch3 — Lvov ch1 — Nikolayev ch2 — Odessa ch5 15/5kW — Sevastopol-Kharkov ch3 7/3.5kW — Simferopol ch3 — Vinnitsa — Stalino ch4 15/5kW H — Zaporozhye ch6 — **Uzbek SSR:** Tashkent ch3 5/2.5kW 12.00-16.00 — Adrasman I (Rel. Tashkent) Adrasman II (rel. Moscow — **Georgian SSR:** Tbilisi ch4 5/2kW — **Kirkhiz SSR:** Frunze ch1: Sun 05.00-08.00, D 12.00-17.00 — **Tadjik SSR:** Dushamé ch1 — **Turkmenian SSR:** Ashkhabad ch1 13.00-17.30 (Sun also 05.00-16.00) — Nebit-Dag.

**Projected Station:** Television Centres:
**RSFSR:** Belgorod — Berezniki — Cheboksary — Chita — Ordzhonikidse — Stavropol — Yakutsk. **Ukranian SSR:** Stanislav. **Uzbek SSR:** Nukus. **Turkmen SSR:** Krasnovodsk. **Azerbajan SSR:** Kirovobad — Nakhichevan.
**TV sets:** 24.135.000.

## YUGOSLAVIA

### RADIO TELEVISION YOUGOSLAVE

**Addr's: Radiotélévision Yougoslave:** 70, B. Kidrica, Beograd. **Te:** 43-693. **Telex:** 11-469 Yujurate Beograd — **Radiotélévision Beograd:** Takovska 8 Te: 24-214, Telex: 11.488 — **Radiotélévision Zagreb:** 4, Jurisiceva, Zagreb. **Te:** 37-741. **Telex:** 21-326 — **Radiotélévision Ljubljana:** 17, Tavcarjeva, Ljubljana. **Te:** 311-922. **Telex:** 31-118.
**L.P: Radiotélévision Yougoslave:** Pres. Adm. Com: I. Bojanic. Secr. Gen: Dr. I. Pustisek, Head For. Rel: Mrs. O. Vojvodic. Pres. Prgr. Com. TV: D. Flic. Secr. Prgr. Com. TV: M. Milosavljevic. Pres. Tech. Com: R. Zizic — **Radiotélévision neograd:** Dir. Gen: Z. Vukovic. Dir. TV: D. Ilic. Chief Editor TV: A. Stefanovic, A. Vitorovic. Dir. Tec: R. Zizic — **Radiotélévision Zagreb:** Dir. Gen: I. Bojanic. Dir. TV: T. Golubovic. Chief Editor TV: A. Zadrovic. Dir. Tec: V. Trs — **Radiotélévision Ljubljana:** Dir. Gen: B. Mikos. Dir. TV: D. Fortic. Chief Editor TV: I. Gruden, B. Hvala. Dir. Tec: S. Pernus.
**Stations in operation** (625 lines, sound: FM, Po. H, chE).

| **Serbia** | **ch** | **kW(ERP)** |
|---|---|---|
| Kopaonik | 3 | 50/10 |
| Jastrebac | 5 | 100/20 |
| Subotica | 5 | 35/7 |
| Avala | 6 | 100/20 |
| Goles | 7 | 35/7 |
| Ovcar | 8 | 8/1.6 |
| Crveni Cot | 10 | 100/20 |
| Tupiznica | 10 | 35/7 |
| Crni Vrh | 11 | 35/7 |
| +25 low power repeaters. | | |
| **Croatia** | | |
| Labistica | 5 | 15/3 |
| Psunj | 4 | 100/20 |
| Srdj | 6 | 5/2.5 |
| Celevac | 8 | 50/10 |
| Sljeme | 9 | 100/20 |
| Ucka | 11 | 100/20 |
| +9 low power repeaters. | | |
| **Slovenia** | | |
| Kum | 3 | 50/10 |
| Krvavec | 5 | 50/10 |
| Nanos | 6 | 35/7 |
| Plesivec | 6 | 35/7 |
| Pohorje | 11 | 10/2 |
| Ljubljana-Krvavec | 21 | 5/1 |
| +51 low power repeaters. | | |
| **Bosnia/Herzegovina** | | |
| Kozara | 6 | 10/2 |
| Hum | 8 | 10/2 |
| Vlasic | 11 | 100/20 |
| +46 low power repeaters. | | |
| **Macedonia** | | |
| Crni Vrh | 6 | 50/10 |
| Mali Vlaj | 9 | 3/0.6 |
| Pelister | 4 | 1.5/0.3 |
| Turtel | 11 | 2.5/0.5 |
| +15 low power repeaters. | | |
| **Montenegro** | | |
| Lovcen | 8 | 67/13.5 |
| Bjelasica | 12 | 16.8/3.36 |
| +22 low power repeaters. | | |

**D.Prgr:** Common Prgr. for Beograd, Zagreb, Ljubljana, Skopje, Sarajevo, Titograd: Sun 09.25-14.00, 17.25-22.05; Mon, Thurs, Fri 09.40-11.30, 14.50-16.40, 17.00-22.10; Tues 09.40-13.00, 14.50-16.40, 17.30-22.30; Wed 17.00-22.25. Test tr's (Beograd, Zegreb, Ljubljana, Skopje): W one h before tr's.
**Fi:** By license payments — **Ad:** 170 min's pr. week — **TV sets:** 886.810. **ALF:** 24.000 Din.

# AFRICA

## AFAR & ISSA

### OFFICE DE RADIODIFFUSION TELEVISION FRANCAISE (Gov.)

**Addr:** B.P. 97, Djibouti. **L.P:** see radio.
**Station** (System K'): Djibouti chK5 0.05kW H. **D.Prgr:** Operating since April 14th, 1967.

## ALGERIA

### RADIO ALGERIE (Gov.)

**Addr:** 21, Blvd. des Martyrs, Algiers. **L.P:** see radio.
**Stations:** Def. 819: Algiers ch11 20/kW H d, Oran ch8 12.5/1.25 kW H, Tizi-Ouzou ch7 0.1/0.025kW (repeats ch11 Algiers), Chrea ch6 (Satellite) 5/1.25kW H, Constantine ch7 0.2/0.05kW H, Oran ch12 5/1.25kW H. **D.Prgr's:** 19.00-23.00.
**TV sets:** 50.000 — **ALF:** DA 85,-

## CANARY ISLANDS

### TELEVISION ESPANOLA EN CANARIAS

**Addr:** Valentin Saenz 4, pisos 5 & 6, Santa Cruz de Tenerife. **Te:** 244187; Casa del Marino, Las Palmas. **L.P:** Dir: D. M. de Zavala Castella. **Stations:** Santa Cruz de Tenerife chE3 350/70 H, Las Palmas (relay) chE6 60/12W H. **D.Prgr:** 14.00-15.30, 18.15-24.00.

## CONGO (Dem. Rep. of)

### TV COLLEGE 9Q2AC (Priv.)

**Addr:** B.P: 296, Lubumbashi. **Te:** 5303. **L.P:** Dir: J. Dethier. **Station (System K'):** ch9 0.015kW. **D.Prgr:** D. exc. Tues and Thurs 18.00-20.00.

## CONGO (Rep.)

### RADIODIFUSION TELEVISION CONGOLAISE

**Addr:** B.P. 2241, Brazzaville: **L.P:** P. Matoko. Dir. Tec: A. Ondongo. **Station** (System D 625 lines): 199.25/205.75MHz 2kW H. **D.Prgr:** Mon-Fri 16.00-17.30 (for schools), D 17.30-20.00.
**TV sets:** 500 — **ALF:** CFA 6000,-

## EGYPT

### U.A.R. BROADCASTING CORPORATION OF CAIRO

**Addr:** TV Bldg, Cornish Rd, Cairo. **Te:** 812070. **Cable:** Kahivision. **L.P:** see radio.
**Stations:** chE; Sound FM: Vision AM (CCIR Standard).

| | **ch** | **kW** | | | **ch** | **kW** | |
|---|---|---|---|---|---|---|---|
| Cairo I | 5 | 100/20 | H | Ismailia | 6 | 25/5 | V |
| Cairo II | 7 | 20/4 | H | Suez | 9 | 16/3.2 | H |
| Cairo III | 9 | 20/4 | H | El-Minya | 8 | 6/1.2 | H |
| Alexandria I | 6 | 6/1.2 | H | Assuit I | 10 | 6/1.2 | H |
| Alexandria II | 11 | 6/1.2 | H | Sohag | 7 | 6/1.2 | H |
| Mansoura | 8 | 25/5 | H | B. Suef | 11 | 80/16 | V |
| Tanta | 10 | 135/27 | H | B. Ali | 6 | 8/1.6 | V |
| Assuan | 5 | 10/2 | H | Quena | 9 | 5/1 | H |
| Port Said | 3 | 10/2 | H | Luxor | 11 | 5/1 | H |
| Kassasin | 9 | 2/0.4 | V | | | | |

**1st Prgr.** (Cairo I, Alexandria I, Mansoura, Kassasin, Ismailia, Assuit I, Suez, Port Said, Bush, El-Minya, Sohag, Quena, Luxor); 14.45 (Fri 09.00)-21.45. **2nd Prgr:** (Cairo II, Alexandria II, Tanta); D 16.45 (Fri 14.00)-21.00. **3rd Prgr.** Cairo III: 16.45-20.00.
**Projected Stations:** Kom-Aumbo ch10 10/2kW H, Edfo ch8 16/3.2kW H, Essna ch6 16/3.2kW H.
**Fi:** By license payments, state subsidy and adv.
**TV sets:** 475.000 — ALF: £(Egyp) 6/0/0.

## ETHIOPIA

**ETHIOPIAN TELEVISION SERVICE (Gov.)**
**Addr:** P.O. Box 1020, Addis Ababa. **Te:** 16701. **Cable:** Ethiotv. **L.P:** Head of TV: A. S. Ferenji. **Station:** chE7 0.5/0.1kW. **D.Prgr:** 17.00 (Sat 14.30)-19.30. For schools: Mon-Fri 08.00-10.30.
**TV sets:** 7.000.

## GABON

**RADIODIFFUSION TELEVISION GABONAISE (Gov.)**
**Addr:** B.P: 150, Libreville. **Te:** 3325. **Cable:** Radiotelegabon. **L.P:** see radio. **Stations:** System K' (625 lines): Libreville chK4 0.05/0.01kW H, Port Gentil chK8 0.05/0.01kW H. **D.Prgr:** chK4 Wed-Sun 18.45-21.00, chK8 Thurs-Mon 18.45-21.00
**TV sets:** 1.000.

## GHANA

**GHANA BROADCASTING CORPORATION**
**Addr:** P.O. Box 1633, Accra. **L.P:** see radio. **Stations** (System B 625 lines): Kissi chE2 15/3kW H, Jamasi chE3 15/3kW H, Adjankote chE4 15/3kW H, Tamale chE5 0.5/0.1kW H. **D.Prgr's:** 17.55-21.35 Mon-Wed; 17.55-22.05 Thurs-Sat; 16.00-22.00 Sun — For Schools: 10.00-11.15 Mon, Wed, Fri; 10.00-12.00 Tues, Thurs.
**N.B.** The Akosombo Relay has been removed and a new site is being determined for it — **TV sets:** 1.000.

## IVORY COAST

**TELEVISION IVORIENNE (Gov, Comm.)**
**Addr:** B.P. 2261, Abidjan. **Te:** 49644. **Cable:** RTI. **L.P:** see radio. **Stations:** (System K' 625 lines): Abidjan chH' 10 10/2kW H, Bouaflé chK9 10/2kW V. **D.Prgr:** 18.00-21.45. **Projected st:** Man ch K'7 10/2.5kW late 1967.
**TV sets:** 5.500.

## KENYA

**VOICE OF KENYA TELEVISION (Gov, Comm.)**
**Addr:** Box 30456, Nairobi. **Te:** 26653. **L.P:** see radio.
**Stations:** chE4 (Nairobi) 15/3kW H. **Relay st:** chE2 (Kisumu) 0.5/0.1kW. **D.Prgr:** 14.30 (Sun 14.00)-19.30 in English-Swahili.
**TV sets:** 11.000 — **ALF:** £3/0/0.

## LIBERIA

**LIBERIAN BROADCASTING CORPORATION (Gov, Comm.)**
**Addr:** P.O. Box 594, Monrovia. **Te:** 22011. — **L.P:** see radio.
**Station:** EL-TV chE6 2.5/0.45kW — **D.Prgr's:** 18.30-23.00.
**TV sets:** 4.000.

## MAURITIUS

**MAURITIUS BROADCASTING CORPORATION (Comm.)**
**Addr:** Malherbes Transmitter Bldg, Forest Side. **L.P:** see Radio.
**Stations:** Forest Side chE4 5/1kW H, Port Louis (satellite) chE7 0.3/0.06kW H, Souillac (satellite) chE9, Flac (satellite) chE11.
**D.Prgr:** 14.30-18.00 — **TV sets:** 9.000 — **ALF:** 40 rupees.

## MOROCCO

**RADIODIFFUSION TELEVISION MAROCAINE (Gov.)**
**Addr:** 1, rue Pierre Parent, Rabat. **L.P:** see radio. **Stations:** Rabat chM7 180/36kW H, Casablanca chM10 180/36kW H, Zerhoun chM4 180/36kW H, Marrakech chM6 0.3/0.06kW H, Bou Khouali 36/7kW H, Cap Spartel chM5 1.5/0.3kW H + 6 low power st's.
**D.Prgr:** 19.30-24.00. **French:** 19.30-21.00. **Arabic:** 21.00-24.00.
**TV sets:** 37.500 — **ALF:** DH 30,-.

## NIGERIA

**NIGERIAN TELEVISION SERVICE (NTS—Gov, Comm.)**
**Addr:** Television House, Victoria Island, Private Mail Bag 12005, Lagos. **Te:** 26391. **Cable:** Nivision. **L.P:** Gen. Mgr: G. Roger Bower. Dir. of Prgr's: C. Kolade. Dir. of Eng: C. E. Rust. Dir. of Adm: D. A. Smith. Comm. Dir: B. Oviagele. Film Buyer: S. Olusola.
**Station:** Lagos chE10 40/8kW H, Ibadan chE2 6/1.2kW H.
**D.Prgr's:** 17.30-23.00. **Fi:** By state and comm. revenue. **Ad:** 10% of broadc. time.

**EASTERN NIGERIA TELEVISION (ENTV)**
**Addr:** P.O. Box 350, Enugu. **L.P:** see radio. **Stations:** Enugu chE2 60kW H, Aba chE4 60kW. **D.Prgr:** W 17.00-21.30 (Sat/Sun 23.00).
**TV sets:** 33.500.

**RADIO KADUNA TELEVISION (RKTV)**
**Addr:** RKTV, Box 250, Kaduna, No. Nigeria. **Te:** 2294. **Cable:** Radionorth. **L.P:** see radio. **Stations:** Jaji chE4 48kW H, Kano chE10 25kW H. **D.Prgr:** 17.30-21.30.

**WESTERN NIGERIA RADIOVISION SERVICE**
**Addr:** P.O. Box 1460, Ibadan. **L.P:** see radio.
**Stations:** Abafon (Lagos) chE3 60/12kW H, Ibadan chE4 1.5/0.3kW H. **D.Prgr:** 16.30-21.45 (or 22.15); Schools 10.00-10.30, 12.00-13.00. **F.Pl:** Ibadan chE4 50/10kW H, Ilesha chE8 50/10kW.

## REUNION

**OFFICE DE RADIODIFF. TELEVISION FRANCAISE (Gov)**
**Addr:** B.P. 309, St. Denis. **L.P:** Dir. Tec: R. Varennes. For other personnel see radio. **Stations** (System K' 625 lines): St. Denis chK8, Le Port chK4, St. Suzanne chK5, Piton Textor chK9, Piton Hyacinthe chK7, St. Leu chK6, St. Joseph chK4, St. Benoit chK7 (all 0.1/0.05kW H).
**D.Prgr:** 15.00-18.00 — **TV sets:** 10.000 — **ALF:** CFA 5000.

## RHODESIA

**RHODESIA TELEVISION LIMITED**
**Addr:** P.O. Box HG. 200, Highlands, Salisbury. **L.P:** Man. Dir: J. Terry. Chief Eng: K. Knight. **Stations:** Salisbury chE4 20kW, Bulawayo chE3 3kW. **D.Prgr:** Mon, Tues 15.25-20.40; Wed-Fri 15.25-21.10; Sat 15.10-21.10; Sun 13.40-20.35.
**TV sets:** 45.000 — **ALF:** £1.

## SENEGAL

**SENEGAL TELEVISION (Gov-Educ.)**
**Addr: Projet-Pilote,** Centre for Mass. Inf. & Educ. (UNESCO), B.P. 2375, Dakar. **Te:** 23489. **L.P:** Dir: Ch. Fall. Dir. of Projet-Pilot: I. Ba. Dir. Tec: A. N. Diaye.
**Station** (625 lines): Dakar ch III 0.05kW H.
**D.Prgr's:** Mon, Tues, Wed, Thurs 17.00-17.30. Twice a month Fri 21.00-22.15. **F.Pl:** A fourth prgr. consisting of a twice weekly French literary series — **TV sets** in use: 100.

## SIERRA LEONE

**SIERRA LEONE TELEVISION (Gov, Comm.)**
**Addr:** Private Mailbag. Freetown. **Te:** 3997. **L.P:** Ag. Gen. Mgr. & Chief Eng: A. H. Khanu. Film Buyer: C. A. Thomas.
**Station:** chE2 0.4/0.1kW H. **D.Prgr:** W 18.30-23.00, Sun 14.00-15.00, 18.30-23.00.
**TV sets:** 2.000.

## SUDAN

**SUDAN TELEVISION (Gov, Comm.)**
**Addr:** TV-Omdurman. **Te:** 52100. **Cable:** Irshad-TV. **L.P:** St. Mgr: A. Shumo. Dir. Tec: R. Mirghani. **Station:** chE5 1.5kW H.
**D.Prgr:** 16.30-20.30. **TV sets:** 11.000.

## TUNISIA

**RADIODIFFUSION—TELEVISION TUNISIENNE (Gov.)**
**Addr:** 139, Avenue de Paris, Tunis. **Te:** 259311. **L.P:** Dir. Tec: N. Djelassi. Station (CCIR 625 lines): Zaghouan chE11 280/56kW H, Bou Kornine (relay) chE6 1.3/0.325kW V. Projected st's: Sfax, Beja. Cape Bon, Bizerte. **D.Prgr:** 18.30-21.30.
**TV sets:** 5.500.

## UGANDA

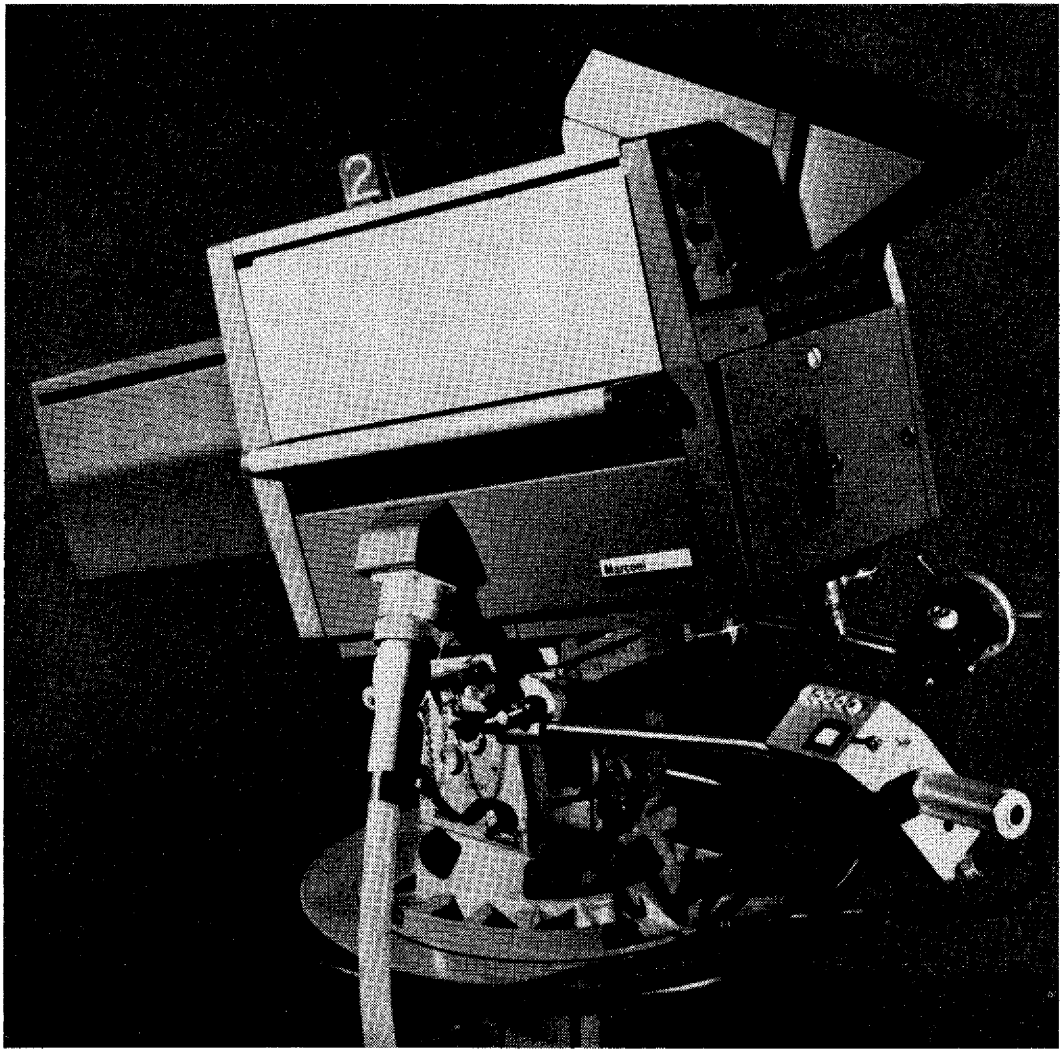
**UGANDA TELEVISION SCE** (Comm. - operated by Ministry of Inf. Broadc. and Tourism). **Addr:** P.O. Box 4260, Kampala. **Te:** 54461. **L.P:** Gen. Mgr: A. R. Aldridge. St. Mgr: R. Coulter. Dir. Tec: H. G. Toombs. **Stations:** Kampala chE5, Lira chE7, Masaka chE8, Mbale chE8, Mbaraka chE10, Soroti chE10 (all 55kW H). **D.Prgr:** 15.00-20.30.
**TV sets:** 7.500.

## UPPER VOLTA

**VOLTA VISION (Gov.)**
**Addr:** B.P. 511, Ouagadougou. **Te:** 2214. **L.P:** see radio. **Station:** (System D 625 lines): Ouagadougou ch6 0.75/0.15kW V.
**D.Prgr:** irregular. **Projected:** Koudougou 1kW H, Bobodioulasso 1kW H — **TV sets:** 525.

# Marconi colour television

## The Marconi Mark VII 4-Tube Colour Camera



# Marconi television systems

AN 'ENGLISH ELECTRIC' COMPANY

LTD/502

The Marconi Company Limited, Broadcasting Division, Chelmsford, Essex, England

## ZAMBIA

**TELEVISION ZAMBIA (Gov, Dept.)**
**Addr:** Broadc. House, P.O. Box RW 15, Lusaka. **Te:** 72986; P.O. Box 1100, Kitwe. **Te:** 3507. **Cable:** Broadcasts TV. **L.P:** Dir: A. M. Kittermaster. Contr. TV: G. J. Wykes. Chief Eng: J. Allerton. Head of Operations: N. Jere. **Stations:** Lusaka chE3 1/0.5kW H, Kitwe chE4 40/8kW H, Broken Hill chE2. **D.Prgr's:** 15.00-20.30. **Educ. Prgr's** (school terms only): 09.45-11.00 (Kitwe only).
**TV sets:** 15.500 — **ALF:** £5/-/-.

# ASIA

## ADEN (Federation of So. Arabia)

**SOUTH ARABIAN TELEVISION SERVICE (Gov, Comm.)**
**Addr:** Box 1264, Aden. **L.P:** see radio.
**Stations:** (625 lines): Al-Aineh chE4 0.4kW H, Al-Bargh chE10 0.4kW H, Ga'ar (Abyan) chE7 0.2kW H + 2 satellites Crater chE8 and Little Aden chE5. **D.Prgr:** Educ. Prgr: Mon, Sat 07.00-08.00; Comm. Prgr: D 15.00-19.30 — **TV sets:** 20.000.

## CAMBODIA

**R. CAMBODGE TELEVISION (Gov.)**
**Addr:** 28. Ave. Preah Mohaksatryany Kossomak, Phnom Penh. **L.P:** see radio. **Stations:** chA8 5/1kW H, Bokor chA11 100/25W (rel). **D.Prgr:** Tues, Thurs, Sat 11.00-13.00.
**TV sets:** 20.000.

## CHINA (Peoples Rep. of)

| Stations: Peking | Vision MHz | Sound MHz | | Vision MHz | Sound MHz |
|---|---|---|---|---|---|
| 1st Prgr. | 57.75 | 64.25 | Canton | 57.75 | 64.25 |
| 2nd Prgr. | 77.25 | 83.75 | Sian | 49.75 | 56.25 |
| Shanghai | 93.25 | 99.75 | Taiyuan | 49.75 | 56.25 |
| Tientsin | 77.25 | 83.75 | Hofei | 85.25 | 91.75 |
| Harbin | 49.75 | 56.25 | Nanking | 49.75 | 56.25 |
| Shenyang | 93.25 | 99.75 | Wuhan | 93.25 | 99.75 |
| Changch. | 57.75 | 64.25 | | | |

**Relay st's:** Hangchow** 57.75/64.25MHz. Soochow** 57.75/64.25MHz, Tangshan* chR4, Wusih** 57.75/64.25MHz. *=repeating Peking; **=repeating Shanghai; Peking I: 5/2.5kW H.
**Experimental st's:** Anshan, Changsha, Chengtu (all 57.75/64.25 MHz), Chiamussu chR1, Foochow chR5, Fushun chR1, Hekang chR4, Kirin chR1, Kweiyang chR5, Lanchow chR1, Tsinan chR3, Tsitsihar 57.75/64.25MHz — **NB:** No recent information available.

## CHINA (Rep. of) (Taiwan)

**NATIONAL EDUCATIONAL TV-STATION (Gov.)**
**Addr:** 41 Nan-hai Rd, Taipei. **Te:** 36166. **L.P:** St. Dir: Prof. C. C. Liu. Dir. Tec: C. C. Yen. Dir. Prgr: C. T. Wan. **Station:** BET31 chA 11 4/2kW. **D.Prgr:** 06.00-09.00. Planned 8 low-powered repeater st's.

**TAIWAN TELEVISION ENTERPRISE (Comm.)**
**Addr:** 990 Chung Cheng Rd, Taipei. **Te:** 48685. **Cable:** Television. **L.P:** Pres: S. Chou. Vice Pres: P. C. C. Chang. Dir. Eng. Dept: R. L. C. Huang. Dir. Prgr: Y. Ho. Dir. Sales: M. Kuan. **Stations:** BET21 chA7 70/14kW (No. Taiwan), BET22 chA12 70/70kW (Ce. Taiwan), BET23 chA7 14/14kW (So. Taiwan). **D.Prgr:** W 04.30-05.30, 09.30-15.30. Sun 04.30-07.30, 09.30-15.30.
**TV sets:** 160.000.

## HONG KONG

**REDIFFUSION TV HONG-KONG (Comm.)**
**Addr:** P.O. Box 121, Hong Kong. Closed circuit 405 line netw. **L.P:** see radio. Two simultaneous wired netw's. **D.Prgr:** Chinese 10.00-15.00. English 09.00 (Sat, Sun 06.00)-15.30.
**TV sets:** 81.000 — **ALF:** HK $ 36.00 per month.

## INDIA

**ALL INDIA RADIO - TELEVISION (Gov.)**
**Addr:** Television Centre, All India Radio, Akashwani Bhawan, 5th Floor, Parliament St, New Delhi-1. **Te:** 30101. **Cable:** Durdarshan. **L.P:** Dir: S. N. Murti. Eng-in-charge: C. R. Krishnamurthy.
**Stations:** New Delhi chE4 5/1kW H. **D.Prgr** (Gen. Sce): 14.00-16.00 includes bi-weekly prgr's for agriculturists. For schools: One and a half hours each working day. For schools: May-March: Lessons in Chemistry and Physics for Higher Secondary Classes; Lessons in General Science for class 7th and 8th; lessons in English for class 6th, 7th and 8th; and lessons in Social Studies for class 8th only. Besides, Teachers Training Prgr's in English and Science, at least once a month — **Pub:** School Television Pamphlet (English) annual. **F.Pl:** St's at Bombay, Calcutta, Madras & Kanpur — **TV sets:** 6.500 — **ALF:** Rs 30,- (for Schools & teleclubs Rs 10,-).

## INDONESIA

**TV REPUBLIK INDONESIA (Gov.)**
**Addr:** Jajasan Televisi RI, Senajan, Djakarta. **Te:** 71160. **Cable:** Televiri. **L.P:** Gen. Mgr: M. Arief. Dir. of Prgr: S. Darjoparanoto. Chief Engineer: Ir. Soemartono. Dir. of Adm: Drs. Sumadi. **Stations:** Djakarta ch E9 10/2kW H, Jogjakarta chE8 5/1kW H, Bandung chE5 1/0.2kW H, Semarang chE4 1/0.2kW H. **D.Prgr:** 12.00-15.30 (Sat 16.30). **Ad:** 18 mins daily — **TV sets:** 54.500 — **ALF: Rp. 600,-.**

## IRAN

**TELEVISION OF IRAN (Comm.)**
**Addr:** Box 1015, Av. Pahlavi, Tehran. **Te:** 621101. **Cable:** Televiran. **L.P:** St. Mgr: P. K. Wineman. Dir. Tec: D. Linford. **Stations:** Teheran chA3 4/0.8kW H, Abadan chA3 12/2.4kW, Ahwaz chA12 0.5kW (rel. Abadan). **D.Prgr's:** 12.30-19.30.
**TV sets:** 131.000.

## IRAQ

**BAGHDAD TELEVISION (Gov.)**
**Addr:** Ministry of Guidance, Broadc. House, Salhiya, Baghdad. **L.P: Dir:** S. Al-Oraibi. **Station:** Salhiya chE8 5/1kW H. **D.Prgr:** 08.00-09.00, 15.00-21.00. **Projected st's** (repeaters): Basra, Kiruk, Mosul — **TV sets:** 150.000.

## ISRAEL

**INSTRUCTIONAL TELEVISION TRUST (Educ.)**
**Addr:** 14, Klausner St, Tel-Aviv. **Te:** 414155. **L.P:** Gen. Mgr: M. Rowe. Dir. Tec: Dr. Y. Peless. Asst. to Gen. Mgr: Dr. D. Jeselsohn. **Station** (CCIR system B): Eitanim chE8 20kW H. **D.Prgr:** Mon-Thurs 08.00-15.00.

**ISRAEL BROADCASTING AUTHORITY**
**Addr:** P.O. Box 1082, Jerusalem. **Stations:** 5 st's (1 x 10kW, 3 x 2kW, 1 x 0.5kW) planned to start on channels 8, 9, 10 and 11 in 1968.
**TV sets:** 30.500.

## JAPAN

**NIPPON HOSO KYOKAI**
**(Corporation, non Gov, non Comm.)**
**Monocrome and Color-TV:**
**Stations:** As of Oct. 1st, 1967, there is a total of 1141 st's: 577 for General TV netw. and 564 for the Educational TV netw.
**Call:** JO-TV — **Po:** H and V — **Ch:** J — **Def:** 525.
**Color-TV:** 573 st's for General netw. and 560 for Educational netw. Systems: NTSC. 1)=General Sec. 2)=Educ. Sec.

| Call | ch | kW/W |
|---|---|---|
| °) **Sapporo** | | |
| 1) IK | 3 | 10 |
| 2) IB | 12 | 10 |
| **Hakodate** | | |
| 1) VK | 4 | 1 |
| 2) VB | 10 | 1 |
| **Asahikawa** | | |
| 1) CG | 9 | 1 |
| 2) CC | 2 | 1 |
| **Shirekoma** | | |
| 1) IQ | 9 | 250W |
| 2) IY | 2 | 250W |
| **Nayoro** | | |
| 1) — | 4 | 250W |
| 2) — | 12 | 250W |
| **Obihiro** | | |
| 1) OG | 4 | 1 |
| 2) OC | 12 | 1 |
| **Kushiro** | | |
| 1) PG | 9 | 1 |
| 2) PC | 2 | 1 |
| **Nakashibetsu** | | |
| 1) — | 4 | 250W |
| 2) — | 12 | 250W |
| **Kitami** | | |
| 1) KP | 3 | 1 |
| 2) KD | 12 | 1 |
| **Muroran** | | |
| 1) IU | 9 | 1 |
| 2) IT | 2 | 1 |
| °) **Sendai** | | |
| 1) HK | 3 | 10 |
| 2) HB | 5 | 10 |
| **Akita** | | |
| 1) UB | 2 | 5 |
| 2) UK | 9 | 5 |
| **Yamagata** | | |
| 1) JG | 8 | 3 |
| 2) JC | 4 | 3 |
| **Tsuruoka** | | |
| 1) JP | 3 | 1 |
| 2) JD | 6 | 1 |
| **Morioka** | | |
| 1) QG | 4 | 3 |
| 2) QC | 8 | 3 |
| **Kamaishi** | | |
| 1) — | 2 | 250W |
| 2) — | 12 | 250W |
| **Kitafukuoka** | | |
| 1) — | 5 | 250W |
| **Call** | **ch** | **kW/W** |
| 2) — | 12 | 250W |
| **Fukushima** | | |
| 1) FP | 9 | 3 |
| 2) FD | 2 | 3 |
| **Wakamatsu** | | |
| 1) HT | 1 | 1 |
| 2) HY | 3 | 1 |
| **Aomori** | | |
| 1) TG | 3 | 5 |
| 2) TC | 5 | 5 |
| **Hachinohe** | | |
| 1) — | 9 | 500W |
| 2) — | 7 | 500W |
| *) **Tokyo** | | |
| 1) AK | 1 | 50 |
| 2) AB | 3 | 50 |
| **Nijima** | | |
| 1) — | 52 | 300W |
| 2) — | 50 | 300W |
| **Kofu** | | |
| 1) KG | 1 | 3 |
| 2) KC | 3 | 3 |
| **Fujiyoshida** | | |
| 1) — | 9 | 250W |
| 2) — | 2 | 250W |

| Call | ch | kW/W |
|---|---|---|
| **Nagano** | | |
| 1) NK | 2 | 1 |
| 2) NB | 9 | 1 |
| **Jida** | | |
| 1) — | 4 | 250W |
| 2) — | 3 | 250W |
| **Nigata** | | |
| 1) QK | 8 | 5 |
| 2) QB | 12 | 5 |
| **Nagoya** | | |
| 1) CK | 3 | 10 |
| 2) CB | 9 | 10 |
| **Shizuoka** | | |
| 1) PK | 9 | 1 |
| 2) PB | 2 | 1 |
| **Hamamatsu** | | |
| 1) DG | 4 | **1** |
| 2) DC | 8 | 1 |
| **Kanazawa** | | |
| 1) JK | 4 | 3 |
| 2) JB | 8 | 3 |
| **Fukui** | | |
| 1) FG | 9 | 3 |
| 2) FC | 3 | 3 |
| **Toyama** | | |
| 1) IG | 3 | 3 |
| 2) IC | 10 | 3 |
| °) **Osaka** | | |
| 1) BK | **2** | **10** |
| 2) BB | 12 | 10 |
| **Hikone** | | |
| 1) — | 48 | 300W |
| 2) — | 45 | 300W |
| **Fukuchiyama** | | |
| 1) — | 49 | 300W |
| 2) — | 46 | 300W |
| °) **Hiroshima** | | |
| 1) FK | 3 | 10 |
| 2) FB | 7 | 10 |
| **Fukuyama** | | |
| 1) DP | 1 | 1 |
| 2) DD | 7 | 1 |
| **Okayama** | | |
| 1) KK | 5 | 10 |
| 2) KB | 3 | 10 |
| **Matsue** | | |
| 1) TK | 6 | 1 |
| 2) TB | 12 | 1 |
| **Hamada** | | |
| 1) — | 2 | 500W |
| 2) — | 9 | 500W |
| **Tottori** | | |
| 1) LG | 3 | 1 |
| 2) LC | 4 | 1 |
| **Matsuyama** | | |
| 1) ZK | 6 | 5 |
| 2) ZB | 2 | 5 |
| **Nihama** | | |
| 1) ZQ | 2 | 250W |
| 2) — | 4 | 250W |
| **Yawatahama** | | |
| 1) — | 8 | 250W |
| 2) — | 2 | 250W |
| **Kochi** | | |
| 1) RK | 4 | 1 |
| 2) RB | 6 | 1 |
| **Nakamura** | | |
| 1) — | 1 | 250W |
| 2) — | 11 | 250W |
| **Tokushima** | | |
| 1) XK | 3 | 1 |
| 2) XB | 38 | 18 |
| °) **Kumamoto** | | |
| 1) GK | 9 | 1 |
| 2) GB | 2 | 1 |
| **Minamata** | | |
| 1) — | 4 | 500W |
| 2) — | 1 | 500W |
| **Fukuoka** | | |
| 1) LK | 3 | 10 |
| 2) LB | 6 | 10 |

| Call | ch | kW/W |
|---|---|---|
| **Izuhara** | | |
| 1) — | 5 | 300W |
| 2) — | 11 | 300W |
| **Kurume** | | |
| 1) — | 46 | 300W |
| 2) — | 54 | 300W |
| **Gonoura** | | |
| 1) — | 59 | 300W |
| 2) — | 56 | 300W |
| **Kitakyushu** | | |
| 1) SK | 6 | 1 |
| 2) SB | 12 | 1 |
| **Nagasaki** | | |
| 1) AG | 3 | 1 |
| 2) AC | 1 | 1 |
| **Sasebo** | | |
| 1) AT | 8 | 1 |
| 2) AY | 2 | 1 |
| **Kagoshima** | | |
| 1) HG | 3 | 5 |
| 2) HC | 5 | 5 |
| **Naze** | | |
| 1) — | 3 | 250W |
| 2) — | 4 | 250W |
| **Setouchi** | | |
| 1) — | 6 | 500W |
| 2) — | 10 | 500W |
| **Miyazaki** | | |
| 1) MG | 8 | 1 |
| 2) MC | 12 | 1 |
| **Nobeoka** | | |
| 1) — | 4 | 250W |
| 2) — | 2 | 250W |
| **Oita** | | |
| 1) IP | 3 | 3 |
| 2) ID | 12 | 3 |
| **Imari** | | |
| 1) — | 51 | 300W |
| 2) — | 53 | 300W |

+ 1011 st's below 250W not mentioned.
**D.Prgr:** Gen. TV: 21.00-15.00. **Educ. TV:** 21.00-15.00. **Color TV:** Gen. TV and Educ. TV: 7.00 hrs (daily).
**TV sets:** 19.624.624 — **ALF:** 3960 Yen.

## PRIVATELY OWNED COMMERCIAL TV-STATIONS

Call: JO-TV chJ. *=St's with colour facilities: 525 lines.
**D.Prgr:** General (approx) W: 23.00-24.00 or from 02.00-05.00, 08.00-15.00. Sun approx. 23.00 (or from 00.00)-15.00.

| Call | ch | kW(ERP) | Name |
|---|---|---|---|
| 1) HR | 1 | 10/2.5 | Hokkaido Broadc. Comp, Sapporo: |
| 1) — | 1 | 1/0.52 | 21.50-14.50 |
| 2) FX | 1* | 86/21.5 | Tokai Television Broadc. Co, Nagoya: 21.00-16.00 |
| 3) EL | 1 | 1/0.25 | Tsuruoka |
| 4) IR | 1 | 10/2.5 | Tohoku Broadc. Co, Sendai |
| 5) LR | 1 | 3/0.75 | Kita-Nihon Broadc. Co, Toyama |
| 6) IF | 1 | 10/2.5 | Kyushu Asahi Broadc. Co, Fukuoka |
| 7) CF | 1 | 5/1.25 | R. Minami-Nihon Broadc. Co, Kagoshima |
| 8) JR | 1* | 1/0.25 | Shikoku Broadc. Co, Tokushima |
| 9) GR | 1 | 5/1.25 | R. Aomori Broadc. Co, Aomori: 21.45-14.00 (Sat 16.30) |
| 10) JX | 1 | 1/0.25 | Nihon-Kai Telecasting Co, Tottori |
| 11) AX | 4* | 50/12.5 | Nippon TV-Network Co, Tokyo: 21.40-15.00 (Sat 16.30) |
| 12) FR | 4 | 130/33 | RKB Mainichi Broadc. Co, Fukuoka: 22.00-15.00 |
| 13) OR | 4 | 10/2.5 | MBS Mainichi Broadc. System, Osaka: 21.30-16.00 |
| 14) ER | 4 | 10/2.5 | R. Chugoku Broadc. Co, Hiroshima: 21.50-15.00 |
| 15) PM | 4 | 1/0.25 | Shimonoseki |
| 16) AR | 5* | 10/2.5 | Chubu-Nippon Broadc. Co, Nagoya: 21.55-16.45 (Sun 22.30-15.30) |
| 17) DR | 5* | 5/1.25 | Broadc. System of Niigata, Niigata |
| 18) KX | 5 | 100/25 | Sapporo TV Broadc. Co, Sapporo |
| 19) JF | 5* | 3/0.75 | Yamanashi Broadc. System, Kofu |
| 20) GF | 5 | 3/0.75 | R. Oita Broadc. Co, Oita |
| 21) UR | 5 | 1 | Nagasaki Broadc. Co, Nagasaki |
| 22) DF | 6 | 18/4.5 | Iwate Broadc. Co, Morioka: 21.59-07.25, 07.55-14.45 |
| 23) KR | 6* | 50/12.5 | Tokyo Broadc. System: 21.15-17.12 (22.20-16.25) |
| 24) NR | 6* | 10/2.5 | Asahi Broadc. Corp, Osaka: 21.00-15.30 |
| 25) MR | 6* | 3/0.75 | Hokuriku Broadc. Co, Kanazawa |
| 26) VO | 6 | 1/0.25 | Hamamatsu |
| 1) — | 6 | 1/0.25 | Kushiro |
| 1) HO | 6 | 1/0.25 | Hakodate |
| 1) HW | 6 | 1/0.25 | Obihiro |
| 27) PY | 6 | 1/0.25 | Wakamatsu |
| 18) KY | 7 | 1/0.25 | Asahikawa |
| 18) LY | 7 | 1/0.25 | Muroran |
| 18) SY | 7 | 1/0.25 | Kushiro |
| 28) DX | 8* | 100/25 | Kansai Telecasting Corp, Osaka: 21.30-15.55 (Sat 16.30) |
| 12) FO | 8 | 1/0.25 | Yahata |
| 29) CX | 8* | 50/12.5 | Fuji Telecasting Co, Tokyo: 21.15-16.15 |
| 30) ZR | 8 | 1 | R. Kochi Broadc. Co, Kochi |
| 31) KF | 9* | 10/2.5 | Nishi-Nippon Broadc. Co, Takamatsu |
| 32) AF | 10* | 5/1.25 | Nankai Broadc. Co, Matsuyama |
| 3) EF | 10 | 3/0.75 | Yamagata Broadc. Co, Yamagata |
| 33) JX | 10* | 100/25 | Yomiuri Telecasting Corpo, Osaka: 21.00-15.00 |
| 34) HF | 10 | 10/2.5 | San In Broadc. System, Yonago |
| 35) EX | 10 | 375/94 | NET TV Netw, Tokyo: 21.40-15.00 |
| 36) HX | 10 | 1/0.25 | Nishi Nippon TV Corp, Kita Kyushu |
| 37) NF | 10 | 1/0.25 | Miyazaki Broadc. Co, Miyazaki |
| 14) EE | 10 | 1/0.25 | Onomichi |
| 18) WL | 10 | 1/0.25 | Obihiro |
| 21) MF | 10 | 1 | Sasebo |
| 38) YR | 11 | 10/2.5 | Sanyo Broadc. Co, Okayama |
| 39) TR | 11 | 5/1.25 | Akita Broadc. System, Akita |
| 40) PR | 11* | 3/0.75 | Fukui Broadc. Co, Fukui |
| 41) SR | 11* | 1/0.25 | Shinetsu Broadc. Co, Nagano |
| 1) HE | 11 | 1/0.25 | Asahikawa |
| 1) QF | 11 | 1/0.25 | Muroran |
| 15) PF | 11 | 1 | Yamaguchi Broadc. Co, Tokyuama |
| 26) VR | 11* | 1/0.25 | Shizuoka Broadc. System, Shizuoka |
| 42) BF | 11 | 1 | Kumamoto Broadc. Co, Kumamoto |
| 27) PX | 11 | 3 | Fukushima Television Broadc. Co. |
| 43) LX | 11 | 10/2.5 | Nagoya Broadc. Co. Nagoya: 22.00-15.00 |
| 18) KZ | 12 | 1/0.25 | Hakodate |
| 44) NX | 12 | 10/2.5 | Hiroshima Television, Hiroshima |
| 44) NY | 12 | 1/0.25 | Onomichi |
| 45) TX | 12 | 50/12.5 | Japan Science Foundation, Tokyo |
| 46) OX | 12* | 10/2.5 | Sendai Broadc. Co, Sendai |

1) North 1, West 5, Sapporo. **L.P:** S. Abe, Dir. Tec: K. Kamo. (13 low power st's not mentioned.)
2) 7 Toschin-cho, Higashi-ku, Nagoya. **L.P:** Gen. Mgr. H. Takaba. St. Mgr: K. Matsumoto. Dir. Tec: K. Sugita. Film Buyer: T. Takeuchi. (12 satellites.)
3) 5, 2 chome, Hatagomachi, Yamagata. Pres: Y. Hattori. (3 satellites.)
4) 26-1, Kasumi-cho, Yagiyama, Sendai. Pres: C. Kanno. (3 satellites.)
5) 10-18 Ushijuma, Toyama. (2 satellites.)
6) 6, 1-chome, Nagahamacho, Fukuoka. Pres: S. Takano. (3 satellites.)
7) 17, Karaicho, Kagoshima. (2 satellites.)
8) 32, 1-chome. Saiwaicho, Tokushima. (6 satellites.)
9) 72 Fukuda, Matsumori, Aomori City. (5 satellites.)
10) 2, 3-chome, Honmachi, Tottori. (5 satellites.)
11) 14 Nihan-cho, Chiyoda-ku, Tokyo. **L.P:** Chmn: M. Shoriki. Pres: Y. Shimizu. Man. Dir: T. Fukui. Dir. Tec: M. Yoshikawa. Film Buyer: Y. Shiratori. (14 satellites.)
12) 4, Watanabetori, Fukuoka. (4 satellites.)
13) Dojima, Kitaku, Osaka, Pres. S. Takahashi.
14) Motomachi 34, Hiroshima. **L.P:** Dir. Tec: T. Watanabe. (17 satellites.)
15) Koenku, Tokuyama.
16) 4-15 Shinsakae-machi, Naka-ku, Nagoya. **L.P:** Dir: K. Igushi. (12 satellites.)
17) 18, 3-chome, Kawagishicho, Niigata. (13 satellites.)
18) 11, 1-chome, Nishi, Sapporo. **L.P:** St. Mgr: Hagiwara. Dir. Tec: S. Ito. Film Buyer: R. Kaji. (30 satellites.)
19) 288, Hyakukucho, Kofu. (7 satellites.)
20) 5-1315, Imazuru, Oita. (9 satellites.)
21) 1-35 Kamimachi, Nagasaki. (10 satellites.)
22) 6-1, Shikecho, Morioka City. (11 satellites.)
23) 36 Hitotsugicho, Aaksaka, Minato-ku, Tokyo. **L.P:** Chmn: T. Adachi. Pres: J. Imamichi. Dir. Prgr: N. Omori. Dir. Engineering: M. Yoshida. (2 relay st's.)
24) Asahi Broadc. Corp. TV Station, 2-2, Oyodocho, Oyodoku, Osaka. **Te:** 458-5321. **Cable:** Jonrtv. **L.P:** see radio.
25) Korinbo, Kanazawa. (8 satellites.)
26) 46, Konyamachi, Shizouka. (19 satellites.)
27) 48 Miyama-cho, Fukushima. (8 satellites.)
28) 51 Umegae-cho, Kitaku, Osaka. **L.P:** Gen. Mgr: Y. Sawamura. Dir. Tec: K. Hirabayashi. Dir. Prgr's: K. Shibata. Film Buyer: S. Sukimura.
29) 7, Kawadacho, Sinjuku-ku, Tokyo. **L.P:** Chmn: S. Mizuno. Pres: N. Shikanai. Film Buyer: Y. Yasunaga. Dir. Tec: E Nishiyama. (14 satellites.)
**30) 23 Honmachi, Kochi. (13 satellites.)**

31) 2-8 Marunouchi, Takamatsu.
32) 1135-1, Dogo, Matsuyama. (9 satellites.)
33) 74, 2-chome, Iwai-cho, Kitaku, Osaka. **L.P:** Gen. Mgr: T. Okano. Dir. Tec: R. Kimura. Dir. Prgr. (Film Buyer): T. Matsuoka.
34) 423 Nishi-Fukuhara, Yonago. (13 satellites.)
35) 55, Azabuzaimokucho, Minato-ku, Tokyo. **L.P:** Chmn: Y. Akao. Pres: N. Yamauchi. Film Buyer: M. Ikushima. Dir. Tec: M. Iwamoto. (14 satellites.)
36) Yahataku, Kita Kyushu. (3 satellites.)
37) 858, Shimo, Kitakatamachi, Miyazaki. (5 satellites.)
38) 3-28, Uchisange, Okayama. (11 satellites.)
39) Sanno-Ohdori, Akita. (5 satellites.)
40) 501, Otemachi, Fukui. (5 satellites.)
41) 1, 132 Yoshidamachi, Nagano. (20 satellites.)
42) 30, Yamasakimachi, Kumamoto. (11 satellites.)
43) 58, Shimo-Chayamachi, Nakaku, Nagoya. (9 satellites.)
44) 6-4 Nakamachi, Hiroshima. (15 satellites.)
45) 2, Daikan-cho, Chiyodaku, Tokyo. **L.P:** Chmn: K. Uemura
46) Shin-Sendai Bldg, Sendai. (3 satellites.)

## JORDAN

**JORDAN TELEVISION (Gov, Comm.)**
**Addr:** P.O. Box 2333, Jebel Amman, Amman. **Te:** 41247. **Cable:** Television. **L.P:** Dir. Gen: M. Kamal. Asst. Dir. Gen: F. Jarrar. Chief Eng: T. Nasereddin. Head of Prgr's: O. Khatib. **Station:** Amman chE3 100kW H. **D.Prgr:** 16.00-21.00. **TV sets:** 10.000 — **ALF:** £5/-/-.

## KOREA (Rep.)

**SEOUL TELEVISION STATION (Gov.)**
**Addr: 58-9** Seosomun-dong, Seoul. **Te:** 23-9161. **Cable:** tbcradiotv. **L.P:** Pres: D. K. Kim. Exec. Dir: K. Kim. Dir. Tec: J. Kang. Prgr. Mgr: D. S. Choi. **Stations:** Seoul (HLCE) chA7 2/1kW, Pusan (HLKE) chA9 0.5/0.25kW. **D.Prgr:** 22.00-00.30, 08.30 (Sat 04.30)-14.30 (Sun 22.00-14.30).

**AMERICAN FORCES KOREA NETWORK (US Gov, Funds)**
**Addr:** APO 96301, San Francisco, Calif, USA. **Te:** Yongsan 2495. **L.P:** see radio. **Stations** (Pol.=H): Seoul chA2 5kW, Hwaakson chA12 0.5kW, Kunsan chA2 0.12kW, Taegu chA6 0.5kW, Taejon chA12 0.5kW, Pusan chA2 0.12kW, Pajuri chA6 0.5kW. **D.Prgr:** 08.00 (Sat 01.30, Sun 00.00)-16.00.

## KUWAIT

**TELEVISION OF KUWAIT (Gov.)**
**Addr:** P.O. Box 193, Kuwait. **Te:** 39411. **Cable:** Alirshad. **L.P:** Dir. TV :J. Hassoun. For other personnel: see radio. **Stations:** Dasman chE8 0.1kW H, Mutlaa chE10 2/10kW H, Rawdatein chE6 2kW H. **Projected:** So. Repeater chE8. **D.Prgr:** 15.30-20.30. **Test-tr's:** 12.00-14.00, 15.00-15.30 — **TV sets:** 80.000.

## LEBANON

**COMPAGNIE LIBANAISE DE TELEVISION (Comm.)**
**Addr:** B.P. 4848, Beirut. **Te:** 251680. **Cable:** Teveliban. **L.P:** Pres. & Dir. Gen: Gen. S. Nofal. Vice Dir. Gen: B. M. Givadinovitch. Dir. Tec: N. Loutfi. Prgr's: W. Essedine. **Stations:** Beirut 5kW: chE7 (Arabic), chE9 (French/English), Jounieh chE2 0.1kW (relay chE9), Tripoli chE2 1kW (relay chE7), Maasser el Chouf 60kW H: chE4 (relay chE7 and E9). **D.Prrg:** 16.00-21.00 (both channels).

**TELE ORIENT (Comm.)**
**Addr:** Box 5054, Beirut. **Te:** 284100. **Cable:** Telibor. **L.P:** J. Abou-Jaoude. Dir. Gen: L. Dahdah. **Stations:** chE11 (Beirut) 100/20kW H, chE5 (Beirut) 2/0.4kW H. Relay st's: chE11 (Mt. Knaisse) 100/20kW, chE11 (Tripoli) 1/0.2kW. **D.Prgr:** 16.00-21.00 in Arabic, English, French.
**TV sets:** 170.000.

## MALAYSIA

**MALAYSIAN TELEVISION SERVICE (Gov.)**
**Addr:** Dep. of Television, c/o Dewan Tunku Abdul Rahman, Ampang Rd, Kuala Lumpur. **Te:** 23181. **Cable:** Tivimalaya. **L.P:** Dir: Ow Kheng Law. Head of Prgr: R. I. bin Raja Zahid. Chief Eng: S. K. Tham. Film Buyer: A. K. Foo. **Stations** (System B 625 lines): Kuala Lumpur chM5 100/200kW H. **Repeater st's:** B. Pahat chM7, Ipoh chM6, Johore Baru chM3, Kluang chM9, Malacca chM6, Penang chM5, Taiping chM4 (all 100/20kW H). **D.Prgr:** 10.15 (Fri-Sun 07.30)-16.15. **TV sets:** 80.000 — **ALF:** M$ 24.00 (combined Radio & TV).

## PAKISTAN

**PAKISTAN TELEVISION CORPO Ltd. (Public Ltd. Co.)**
**Addr:** P.O. Box 230, Rawalpindi. **Cable:** Pakteevee. **L.P:** Man. Dir. A. M. S. Ahmad. Chief Eng: R. Ahmad. Adm. Mgr: A. Nasir Siddiqui. Gen. Mgr's: A. B. Ahmad (Lahore), A. Z. Khan (Dacca), A. Ahzar (Rawalpindi), Z. A. Bokhari (Karachi). **Stations** (CCIR 625 lines): Rawalpindi chE6 25kW H, Lahore chE9 0.55kW H, Dacca chE9 0.55kW H, Karachi chE4 36kW H. **D.Prgr:** 13.30-16.30. **Projected st's:** Chittagong, Peshawar at December, 1968 — **TV sets:** 20.000.

## PHILIPPINES

**DEPT. OF PUBLIC WORKS AND COMMUNICATIONS**
**Radio Control Office, Manila.**
**Stations:**

| Call | ch | kW(ERP) | Location |
|---|---|---|---|
| 1) DYCB-TV | A3 | 5/1 | Cebu City |
| 1) DZAQ-TV | A3 | 10/5 | Quezon City |
| 2) DYXL-TV | A4 | 2/1 | Bacolod City |
| 3) DZTM-TV | A5 | 10/5 | San Juan, Rizal |
| 1) DZRI-TV | A6 | 10/0.5W | Dagupan City |
| 4) DYSS-TV | A7 | 0.1/0.05 | Cebu City |
| 4) DZBB-TV | A7 | 5/2.5 | Quezon City |
| 1) DZXL-TV | A9 | 5/2.5 | Quezon City |
| 5) DZRH-TV | A11 | 5/2.5 | Quezon City |
| 6) DZBS-TV | A12 | 0.5/0.125 | Baguio City |
| 7) DY-TV | A13 | 2.24/1.12 | Cebu City |
| 7) DZ-TV | A13 | 6/2.5 | San Juan, Rizal |
| 7) DX-TV | A13 | 0.5/0.25 | Davao City |
| 8) DZFU-TV | A14 | 0.4/0.2 | Manila |

1) **Bolinao Electronics Corp,** CBN Bldg, Intramuros, Manila. **Te:** 84684. **D.Prgr:** Quezon City: 23.00-16.00 (DZXL-TV 01.00-16.00). Cebu City: 04.00-16.00. Dagupan City: 12.00-15.00.
2) **Chronicle Broadc. Network,** P.O. Box 1593, Manila. **Te:** 30061. **L.P:** Pres. & Gen. Mgr: E. Lopez jr. **D.Prgr:** 00.00-16.00.
3) **The Manila Times Publishing Co,** TVT Bldg, Florentino, Torres, Manila. **L.P:** St. Mgr: R. Diez. **D.Prgr:** 04.00-16.00.
4) **Republic Broadc. System,** RBS Bldg, Diliman, Quezon City. **D.Prgr:** Cebu City: 09.00-15.30. Quezon City: 23.00-16.00.
5) **Metropolitan Broadc. Co,** 964 Taft Avenue, Manila. **D.Prgr:** 08.00-15.00.
6) **R. Philippine Network Inc,** 1195 Florida St, Ermita, Manila. **D.Prgr:** 09.00-13.00.
7) **Inter Island Broadc. Corp,** Phil. Herald Bldg. Intramuros, Manila. **D.Prgr:** DYTV: 08.00-14.00; DZTV: 07.00-14.30; DXTV: 07.00-15.00.
8) **Feati University,** Helios St, Sta. Cruz, Manila. **D.Prgr:** 02.00-15.00. **TV sets:** 190.000.

## RYUKYU ISLANDS

**RYUKYUS BROADCASTING CORPORATION (Comm.)**
**Addr:** CPO Box 4, Naha, Okinawa. **L.P:** see radio.
**Stations:** KSAR-TV chA12 120/24kW. **D.Prgr's:** 21.45-15.00 in Japanese and English.

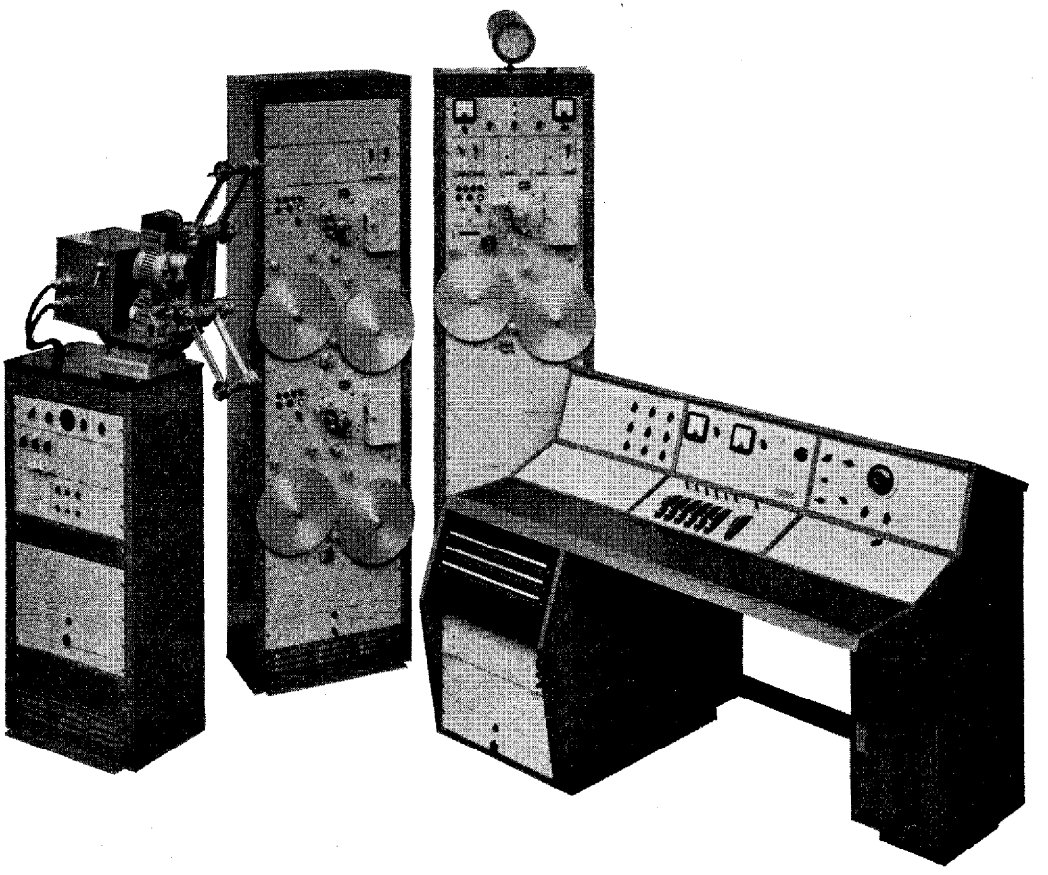
**OKINAWA TELEVISION BROADC. LTD. (Comm.)**
**Addr:** 1-chome, Matsuyamacho, Naha, Okinawa. **L.P:** Gen. Mgr: Y. Ymashiro. Dir. Tec: S. Sakugawa. Film Buyer: K. Nagahama. **Station:** KSDW-TV chA10 5/2kW. **D.Prgr:** 03.00-15.00 in Japanese, English — **TV sets:** 131.000.

**AFRTS:** see USA.

## SAUDI ARABIA

**MINISTRY OF INFORMATION (Gov.)**
**Addr:** Airport Rd, Jeddah. **L.P:** see radio.
**Stations** (System B 625 lines): Jeddah chE10 20/4kW H, Riaydh chE5 20/4kW H. **D.Prgr's:** 3 hrs daily (approx).
**Projected:** St's at Medina and Buraydh.

**ARAMCO-TV (Non-comm. private Co.)**
**Addr:** Box 1359, Dhahran. **Te:** 3061. **Cable:** Aramco. **L.P:** Producer: S. A. Al-Mozaini. Asst. Producer: S. M. Kubeisy. Chief Eng: L. R. Wilson.
**Stations:** chA2 (Dhahran) 12/6kW, chA13 (Hofuf) 0.5/0.25kW. **D.Prgr:** Sign on approx. 16.00; Prgr. time: Sat-Tues 4½ hrs, Wed/Fri 5½ hrs, Thurs 6½ hrs (times vary with Sun). **Pub:** weekly schedule — **TV sets:** 35.000.



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## SINGAPORE

**TELEVISION SINGAPURA (Gov.)**
**Addr:** P.O. Box 1902, Singapore. **L.P:** see radio. **Stations:** Bukit Batok: chE5 (Singapore I), chE8 (Singapore II) 80kW. **D.Prgr:** chE5 Mon-Fri 10.40-16.00, Sat/Sun 05.30-16.00; chE8 11.20-14.45.
**TV sets:** 76.000 — **ALF:** $36.00.

## SYRIAN ARAB REP.

**SYRIAN ARAB TELEVISION (Gov, Comm.)**
**Addr:** Ommayyad Square, Damascus. **Te:** 12.000. **L.P:** Dir. of Prgr's: K. Chaare.
**Stations:** Damascus chE5 150/30kW, Homs chE7 30/6kW, Sheikh Dahor chE9 10/2kW, Aleppo chE5 30/6kW, Saraukhiyah chE8 2.25/0.45kW. **D.Prgr:** 16.00-22.00 — **TV sets:** 70.000.

## THAILAND

**TELEVISION OF THAILAND (Gov.)**
**Addr:** Public Relations Dept, Bangkok. **L.P:** see radio.
**Stations:** Lampang ch8 3kW, Khankhaen ch5 6kW, Haadyai ch9 1kW, Chiengmai (relay) ch8. **D.Prgr:** ch8 12.00-17.00, ch5 11.00-17.00, ch9 11.30-16.30. **F.Pl:** Nationwide netw.

**THAI TELEVISION CO. Ltd. (Semi Gov, Comm.)**
**Addr:** Mansion B. Rajdamnern Ave, Bangkok. **Te:** 22273. **Cable:** Thaitevi. **L.P:** Dir. Gen: Lt. Gen. K. Punnagunta. Gen. Mgr. & Film Buyer: P. Hongsanand. Dir. Tec: A. Pojanapisute. Dir. Prgr: Ch. Rangsikul.
**Stations** (System RCA): Bangkok chA4 29/14.5kW H. **Relay st's:** Khonkaen chA5 33/16.5kW H, Lampang chA8 21.4/10.7kW H, Hadyai chA9 10.7/5.35kW H. **D.Prgr:** Mon-Fri 03.00-03.30 (or 04.00), 10.00-17.00; Sat/Sun 03.00-17.00.

**THE ARMY TELEVISION HSA-TV (Gov, Comm.)**
**Addr:** Paholyotin Rd, Bangkok. **Te:** 7028. **Stations:** Bangkok chA7 5kW V. Relay st: Saraburi chA5. **D.Prgr:** 10.15-16.15 Sat also 01.00-06.00, Sun also 02.00-06.00 — **TV sets:** 210.000.

## TURKEY

**TURKISH RADIO & TV ESTABLISHMENT**
**Addr:** TRT-TV, Mithatpasa Cad. 47, Ankara. **L.P:** Dir. Tec: F. Isicki. Dir. Prgr's: S. Tugrul.
An Education TV Training Centre with full studio and other facilities is now ready for operation in Ankara. Close circuit experimental and educational prgr's are performed. The studio will be radio-linked to a tr. in the vicinity of Ankara in the autumn of 1967. Experimental tr. for 2 hrs a day is due to start at the beginning of 1968 on chE5 (Ankara) 3/0.6kW.
**Projected st's:** Adana chE4 (30kW), Ankara chE3 (100kW), Bursa chE2 (60kW), Istanbul chE4 (100kW), Izmir chE3 (100kW), Konya chE10 (30kW).

**ISTANBUL TEKNIK UNIVERSITESI (Gov. Exp.)**
**Addr:** Elektrik Fakültesi, Yüsek Frekans Teknigi Kürsüsü, Istanbul. **Te:** 482250. **L.P:** Prof. Dr. A. Ataman. **Station:** chE4 50W H. **D.Prgr:** Thurs 14.00-18.00 during the Academic Year.
**TV sets:** 6.000.

# PACIFIC

## AUSTRALIA (Commonwealth of)

**Standards:** Def. 625 — Picture freq: 25 — Ch width: 4MHz FM.

**AUSTRALIAN BROADCASTING COMMISSION (ABC)**
National Television is controlled by the Australian Broadcasting Commission, which is responsible to the Postmaster General, whose department controls the transmitters — **Addr:** Box 487, GPO, Sydney 2001. **LP:** see radio.
**Stations:** One each in Sydney (ABN), Melbourne (ABV), Brisbane (ABQ), Adelaide (ABS), Perth (ABW) and Hobart (ABT), Canberra (ABC). Operate on Australian ch2 on 63-70Mc 100/20 kW exc. ABC Canberra ch3. **Po:** H exc. Canberra V.
ABHN Newcastle ch5, H — ABEV Bendigo ch1, V — ABRV Ballarat ch3, H — ABNT Launceston ch3, H — ABDQ Toowoomba ch3, H — ABWN Wollongong ch5A, H — ABCN Orange ch1, V — ABLV Latrobe Valley ch4, H — ABGV Goulbourn Valley ch3, V — ABRQ Rockhampton ch3, H — ABRN Richmond Tweed ch6, H — ABTQ Townsville ch3, H ABNS Pt. Pirie ch1, V — ABMN Wagga Wagga ch0, H — ABAV Albury ch1, H — ABSW Bunbury ch5, H — ABDN Grafton-Kempsey ch2, H — ABSV Swan Hill ch2, V — ABWQ Maryborough ch6, V — ABUN Tamworth ch7, H — ABMV Mildura ch4, H — ABGS Mt. Gambier ch 1, H — ABLN Broken Hill ch2, V — ABTN Taree ch1, V — ABCW Northam ch4, H — ABGN Griffith ch7, H — ABSQ Warwick ch1, H — ABAW Albany ch2, V — ABNQ Cairns ch9, H — ABSN Bega-Cooma ch8, V — ABQN Dubbo ch5, V.
+9 low power translator st's.
**D.Prgr's:** Mon-Fri 01.30-01.50, 04.00-04.50, 06.45-13.00; Sat 03.30-13.00; Sun 01.00-02.15 (fortnightly church service), 03.00-12.50.
**TV sets:** 2.405.135 — **ALF:** Radio & TV (combined): A$ 17.00.

**PRIVATELY OWNED COMMERCIAL TELEVISION STATIONS**
**Federation of Australian Commercial Television Stations,** Suite 404-4th Floor, Caltex House, Sydney. **Te:** 27-8151. **Cable:** Telefed — **L.P:** Gen. Mgr: A. S. Cowan. Exec. Asst: A. B. Simpson. **Adv.** accepted under conditions of Australion Broadc. Control Board.
**Stations:** The first two letters are an abbreviation of the name of the licence, the third indicates the state and the numeral signifies the channel.
All st's 100/20kW; H=Horizontal Pol. V=Vertical Pol.

| | | | |
|---|---|---|---|
| 1) ATVO(H) | 11) GNV6(V) | 20) ECN8(V) | 30) QTQ9(H) |
| 2) TVQO(H) | 21) CWN6(H)* | 21) CBN8(V) | 31) TNT9(H) |
| 3) BTW3(H) | 12) ADS7(H) | 22) RTN8(H) | 32) MTN9(H) |
| 4) NBN3(H) | 13) TVW8(V) | 23) BCV8(V) | 33) NWS9(H) |
| 5) RVN2(H) | 14) HSV7(V) | 24) WBQ8(V) | 34) NEN9(H) |
| 6) WIN4(H) | 15) ATN7(H) | 25) STV8(H) | 35) GLV10(H) |
| 7) AMV4(H) | 16) BTQ7(H) | 26) SES8(H) | 8) DDQ10(H) |
| 8) SDQ4(H)* | 17) CTC7(V) | 27) STW9(H) | 36) TEN10(H) |
| 9) TVT6(H) | 18) RTQ7(H) | 28) TCN9(H) | 37) SAS10(H) |
| 10) BTV6(H) | 19) TNQ7(H) | 29) GTV9(H) | 38) NRN11(H) |
| | | | 39) FNQ10(H) |

*=relay st.

1) **Austarama TV Pty Ltd,** P.O. Box 42, Nunawading, Vic. 3131. **Te:** 2326211. **Cable:** Austarama. **L.P:** Gen. Mgr: H. J. Clappison. Dir. Tec: G. H. Dawey. Film Buyer: P. Britnell. **D.Prgr:** 00.30-13.45; **F.Pl:** Expansion into colour operation on PAL system, which will supplement 625 line NTSC colour test equipment already installed.
2) **Universal Telecasters Qld. Ltd,** G.P.O. Box 150, Brisbane 4001. **Te:** 36-0366. **L.P:** Gen. Mgr. & Film Buyer: N. Carlyon. Dir. Tec: J. C. Stevenson. **D.Prgr:** 00.30 (Sat 05.00, Sun 04.00)-13.30.
3) **South Western Telecasters Ltd,** P.O. Box 112, Bunbury 6230. **Te:** 3531. **Cable:** Souwestel. **L.P:** Mgr: B. Hopwood. Dir. Tec: A. W. Stewart. **D.Prgr:** 09.15-14.00.
4) **Newcastle Broadc. & TV Corp. Ltd,** P.O. Box 555, Newcastle 2000. **Te:** 20321. **Cable:** Chantree. **L.P:** Gen. Mgr. & Film Buyer: K. W. Stone. Dir. Tec: H. J. McPhee. **D.Prgr:** Mon-Fri 02.30-13.30, Sat 01.30-14.00, Sun 03.00-12.30.
5) **Riverina TV Ltd,** P.O. Box 2, Kooringal, via Wagga Wagga. **Te:** 2088. **Cable:** Rivtel. **L.P:** Mgr. & Film Buyer: W. P. Marsden. Dir. Tec: S. W. McDonald. **D.Prgr:** 06.30 (Wed 02.00, Sat/Sun 05.00)-13.00.
6) **TV Wollongong Transmissions Ltd,** P.O. Box 500, Wollongong 2500. **Te:** 26444. **Cable:** Winteevee. **L.P:** Gen. Mgr: W. Lean. Dir. Tec: K. Roberts. **D.Prgr:** 04.00-13.30.
7) **Albury Upper Murray TV Ltd,** TV-Centre, Albury, NSW 2640. **Te:** 251494. **Cable:** Ayemfour. **L.P:** Man. Dir: A. R. Kidd. Dir. Tec: T. Jones. **D.Prgr:** Mon/Tues/Thurs/Fri 06.00-13.00, Wed. 02.30-13.00, Sat 07.00-13.00, Sun 07.00-12.45.
8) **Darling Downs TV Ltd,** P.O. Box 670, Toowoomba 4350. **Te:** 22288. **Cable:** Deedeeque. **L.P:** Gen. Mgr: S. J. Fitzpatrick. Dir. Tec: N. S. Hill. Film Buyer: R. A. Fry. **D.Prgr:** Mon-Fri 04.00-12.30 (Sat 06.30-13.00, Sun 06.15-12.30). (SDQ4 relay from Toowoomba.)
9) **Tasmanian TV Ltd,** G.P.O. Box 1209M, Hobart 7001. **Te:** 80341. **Cable:** Tasteevee. **L.P:** Man. Dir: E. G. McRae. Dir. Tec: W. Morrison. Film Buyer: D. L. Carter. **D.Prgr:** Mon-Thurs 03.30-13.30, Fri/Sat 06.30-13.30, Sun 01.30-13.15.
10) **Ballarat & Western Victoria TV Ltd,** P.O. Box 464, Ballarat 3350. **Te:** 21666. **Cable:** Beeteesix. **L.P:** Gen. Mgr: B. F. Jackson. Dir. Tec: B. Robertson. Film Buyer: J. L. Taylor. **D.Prgr:** 06.30 (Tues/Wed, Sun 02.00)-13.00.
11) **Goulbourn Murray TV Ltd,** P.O. Box 666, Shepparton 3630. **L.P:** Gen. Mgr: P. L. Twomey. Dir. Tec: R. Abell. Film Buyer: N. Eva. **D.Prgr:** Mon, Tues 02.30-13.00; Wed 02.00-13.00; Thurs, Fri 02.30-13.40; Sat 04.00-13.40; Sun 00.30-13.15.
12) **TV Broadcasters Ltd,** 125 Strangways Terrace, No. Adelaide 5006. **Te:** 6-8591. **Cable:** Adseven. **L.P:** Gen. Mgr: J. Fowler. St. Mgr. & Film Buyer: K. A. MacDonald. Dir. Tec: S. G. McLean. **D.Prgr:** 01.30-13.30.
13) **TVW Ltd,** P.O. Box 7, Tuart Hill, We. Australia 6060. **Te:** 291422. **Cable:** Teleview. **L.P:** Gen. Mgr: B. S. Treasure. Man. Dir: J. W. Cruthers. Dir. Tec: J. R. Quicke. **D.Prgr:** Mon-Fri 02.30-16.00 (Fri 16.15); Sat 03.45-16.15; Sun 03.15-16.00.
14) **Herald Sun TV Pty Ltd,** G.P.O. Box 2150, Melbourne 3001. **Te:** 690771. **Cable:** Hertel. **L.P:** Mgr: K. S. Cairns. Dir. Tec: J. Fisher. **D.Prgr:** 00.50 (Sat 23.30, Sun 00.45)-13.30.

15) **Amalgamated TV Services Pty Ltd,** Television Centre Epping, NSW 2121. **Te:** 850111. **Cable:** Telecentre. **L.P:** Gen. Mgr: J. H. Oswin. Dir. Tec: M. Stevenson. **D.Prgr:** 01.30 (Sat 23.00, Sun 23.15)-14.00.
16) **Brisbane TV Ltd,** G.P.O. Box 604 J, Brisbane 4001. **Te:** 360111. **Cable:** Beeteeque. **L.P:** Gen. Mgr: E. Allen. Dir. Tec: G. Everingham. **D.Prgr:** Mon-Fri 01.00-13.00(Fri 13.30); Sat 03.00-13.30; Sun 02.00-12.30.
17) **Canberra TV Ltd,** P.O. Box 633, Canberra 2601. **Te:** 40255. **Cable:** Ceeteecee. **L.P:** Gen. Mgr: G. K. Barlin. Dir. Tec: D. J. Stewart. Film Buyer: M. Bodley. **D.Prgr:** 0300-13.00.
18) **Rockhampton TV Ltd,** P.O. Box 568, Rockhampton 4700. **Te:** 8877. **Cable:** Arteeque. **L.P:** St. Mgr. & Film Buyer: B. Saunders. Dir. Tec: C. Amoore. **D.Prgr:** Mon 06.30-12.00; Tues. 03.30-12.00; Wed 05.00-12.30; Thurs/Fri/Sat 06.30-12.30; Sun 07.00-12.00.
19) **Telecasters No. Queensland Ltd,** P.O. Box 1016, Townsville 4810. **Te:** 6161. **Cable:** Teenq. **L.P:** Gen. Mgr. & Film Buyer: K. R. Christensen. Dir. Tec: R. M. Barton. **D.Prgr:** 06.30 (Wed 03.15)-12.00.
20) **East Coast Television Ltd,** P.O. Box 185, Taree 2430. **Te:** 1100. **L.P:** Man. Dir: O. G. K. Sutherland. St. Mgr: A. W. Thompson. Dir. Tec: D. Walmsley. **D.Prgr:** Mon-Fri 04.30-12.30; Sat 06.00-13.30; Sun 06.00-12.30.
21) **Country TV Services Ltd,** P.O. Box 465, Orange 2800. **Te:** 621288. **Cable:** Cebtes. **L.P:** Mgr: A. Ridley. Dir. Tec: E. Crouch. **D.Prgr:** CBN8 & CWN6 (Dubbo Relay station): Mon/Wed/Fri 05.30-12.30, Tues/Thurs 04.00-12.30, Sat 06.00-13.00, Sun 03.30-12.30.
22) **Richmond Tweed TV Ltd,** P.O. Box 423, Lismore 2480. **Te:** 2351. **Cable:** Richteevee. **L.P:** Man. Dir. L. T. Warrick. Dir. Tec: H. G. Green. Film Buyer: R. F. McLaren. **D.Prgr:** Mon-Fri 03.00-12.30 (or 12.50); Sat 05.30-12.45; Sun 04.00-12.20.
23) **Bendigo & Ce. Victoria Telecasters Ltd,** P.O. Box 240, Bendigo 3550. **Te:** 30584. **Cable:** Beneight. **L.P:** Gen. Mgr. & Film Buyer: F. A. McManus. Dir. Tec: A. J. Dear. **D.Prgr:** Mon-Thurs 02.00-13.00; Fri 02.00-13.30; Sat 02.00-14.00; Sun 01.30-13.00.
24) **Wide Bay Burnett Television Ltd,** P.O. Box 30, Maryborough. **Cable:** Wideteve. **L.P:** Gen. Mgr. & Film Buyer: F. T. Yates. Dir. Tec: B. Hunter. **D.Prgr:** Mon 07.00-12.45; Tues 07.00-12.30; Wed 04.00-13.00; Thurs/Fri 07.00-12.40; Sat 07.30-12.45; Sun 07.30-12.30.
25) **Sunraysia Television Ltd,** 18, Deakin Ave, Mildura, Vic. 3500. **Te:** 30204. **L.P:** Man. Dir: M. Folie. Dir. Tec: M. Hennesy. **D.Prgr:** Mon-Fri 07.15-12.15; Sat 07.45-12.00; Sun 07.30-12.00.
26) **South East Telecasters Ltd,** Box 694, Mt. Gambier, So. Australia 5290. **Te:** 24117. **Cable:** Setel. **L.P:** Gen. Mgr. and Film Buyer: K. Bailhache. Dir. Tec: J. Lewis. **D.Prgr:** 08.15-13.15.
27) **Swan Television Ltd,** P.O. Box 99, Tuart Hill 6060. **Te:** 491911. **Cable:** Swantel. **L.P:** St. Mgr: R. J. Mercer. Dir. Tec: T. Provan. Film Buyer: E. G. Taylor. **D.Prgr:** 03.00 (Sat/Sun 04.00)-16.00.
28) **TV Corporation Ltd,** P.O. Box 27, Willoughby 2068. **Te:** 430444. **Cable:** Diffusion. **L.P:** Chief Executive: B. Gyngell. Dir. Tec: L. Free. **D.Prgr:** 01.30 (Tues 01.00)-13.30 (Wed 14.00); Sat 23.00-13.30; Sun 22.30-13.15.
29) **General TV Corporation Pty, Ltd,** P.O. Box 100, Richmond 3121. **Te:** 42-0201. **Cable:** Geeteevee. **L.P:** Gen. Mgr: N. Dick. St. Mgr: R. J. Biddle. Dir. Tec: T. O'Donohue. Film Buyer: I. G. Holmes. **D.Prgr:** Mon-Fri 00.30-14.00; Sat 21.00-13.15; Sun 23.30-14.00.
30) **Queensland TV Ltd,** G.P.O. Box 72A, Brisbane 4001. **Te:** 362233. **Cable:** Queteenine. **L.P:** Gen. Mgr: J. W. McKay. Dir. Tec: P. J. Marlan. **D.Prgr:** 01.00-13.30.
31) **Northern TV Ltd,** P.O. Box 873, Launceston 7520. **Te:** 42551. **Cable:** Netnine. **L.P:** Man. Dir: A. E. Evans. Dir. Tec: W. Freeman. **D.Prgr:** Mon-Thurs 03.00-13.30; Fri 06.00-14.00; Sat 07.00-14.00; Sun 02.00-13.30.
32) **Murrumbidgee TV Ltd,** Remembrance Driveway, Griffith 2680. **Te:** 1756. **L.P:** Gen. Mgr: W. Gamble. Dir. Tec: K. Callaghan. **D.Prgr:** 06.30 (Wed 02.30)-13.00; Sun 04.55-13.00.
33) **Southern TV Corporation Ltd,** P.O. Box 9, No. Adelaide 5006. **Te:** 69322. **Cable:** Newsnine. **L.P:** Gen. Mgr: W. L. C. Davies. Dir. Tec: J. Batchelor. Film Buyer: R. G. Heading. **D.Prgr:** 23.30 (Sat 02.30)-14.30; Sun 02.00-14.00.
34) **TV New England Ltd,** P.O. Box 317, So. Tamworth 2340. **Te:** 58253. **Cable:** Nenine. **L.P:** Ag. Mgr: K. D. Smith. Dir. Tec: O. E. Bartle. Film Buyer: N. A. Boyle. **D.Prgr:** Mon-Fri 03.00-05.30; 07.00-13.00; Sat 07.00-13.00; Sun 03.00-12.30.
35) **Gippsland Latrobe Valley Telecasters Ltd,** P.O. Box 220, Traralgon 3844. **Te:** 71366. **L.P:** Gen. Mgr: D. W. Smith. Dir. Tec: K. Dunn. **D.Prgr:** 07.00 (or 06.30)-13.00 (Wed 04.00-13.05).
36) **United Telecasters Sydney Ltd,** P.O. Box 9, Lane Cove 2066. **Te:** 885555. Cable: Unitelcast. **L.P:** Gen. Mgr: A. E. R. Fox. Dir. Tec: R. Thyer. Film Buyer: J. Fitzgerald. **D.Prgr:** 00.30-14.00.
37) **South Australian Telecasters Ltd,** 45 Park Terrace, Gilberton 5081. **Te:** 656991. **Cable:** Sasten. **L.P:** St. Mgr: D. M. L. Hall. Dir. Tec: P. W. Smith. Film Buyer: J. F. Trost. **D.Prgr:** W 21.30-14.30; Sun 23.30-14.30.
38) **Northern Rivers Television Ltd,** P.O. Box 400, Coffs Harbour 2450. **Te:** 1201. **Cable:** Enareleven. **L.P:** Man. Dir. and Film Buyer: A. J. L. Cave. Dir. Tec: B. J. Beasley. **D.Prgr:** 04.30 (Sat/Sun 06.00)-12.30.
39) **Far Northern Television Ltd,** P.O. Box 596, Cairns 4870. **H of tr:** approx. 15.00-06.00.
**Te:** 2195. **Cable:** Effentee. **L.P:** Mgr. and Dir. Tec: H. Lilburn. **D.Prgr:** Mon/Tues/Fri 07.00-12.30; Wed 04.30-12.00; Thurs 06.00-12.30; Sat 21.00-23.30; 07.00-12.30; Sun 07.00-12.30.
40) **GSW9, Albany W.A.** — relay from BTW3, opening early 1968.
41) **MVQ6 MacKay Television Development Pty, Ltd,** MacKay, Qld. **L.P:** Man. Dir: M. E. Low. Opening April, 1968.

## GUAM

**KUAM TELEVISION (Comm.)**
**Addr:** P.O. Box 368, Agana. **Cable:** Kuam. **L.P:** Pres: H. Scott Killgore. Vice Pres. & Gen. Mgr: W. B. Nielsen.
**Stations:** chA8, A10 0.43/0.22kW V — **D.Prgr:** 07.30-14.00 (Sat 23.00-14.00).
**TV sets:** 35.000.

## HAWAII (U.S. State)

**Television St's:** see U.S.A. — **TV Homes:** 170.000.

## NEW CALEDONIA

**OFFICE DE RADIODIFF-TELEVISION FRANCAISE**
**Addr:** B.P. 327 Noumea. **L.P:** see radio. **Stations** (System K' 625 lines): 0.05kW
chK'4, ch K'6, chK'8 — **D.Prgr:** W 08.00-11.00; Sun 07.30-11.15.
**TV sets:** 4.000.


**AMERICA'S DAY BEGINS IN GUAM USA**

**KUAM** — Television channels 8-10-12-13
ABC-NBC-CBS Television Networks

**KUAM** — Radio 610 kc 10,000 watts

**KUAM - FM**

PACIFIC BROADCASTING CORP.
P.O. Box 368 Agana Guam USA

| | |
|---|---|
| H. Scott Killgore | President |
| S. N. Rubin | Treasurer |
| William Nielsen | Vice Pres. & Gen. Mgr. |

| | |
|---|---|
| New York Office | San Francisco Office |
| 211 East 43rd St. | 100 California St. |
| New York, N.Y. | San Francisco, Calif. |
| Tel: MU 7-8436 | Tel: YU 2-9933 |

*The eyes and ears of the Marianas Islands*

## NEW ZEALAND

### NEW ZEALAND BROADCASTING CORPORATION
(Statutory Public Body)
**Addr:** P.O. Box 98, Wellington. **Te:** 48200. **Cable:** Broadserv. **L.P:** Dir. TV: N. Palmer. For other personnel: see radio. **Stations:** Auckland AKTV ch2 100/20kW H, Wellington WNTV ch1 100/20kW H, Christchurch CHTV ch3 100/20kW H, Dunedin DNTV ch2 10/2kW H + two 100kW repeaters and ten low powered repeaters. **D.Prgr:** 02.00-11.00 (Fri, Sat 12.00), Sun 02.00-11.00. **F.Pl:** Dunedin 50kW (ERP) + additional low powered repeaters. **Fi:** by licence payments and adv. revenue Tues, Wed, Thurs, Sat.
**TV sets:** 560.000 — **ALF:** £6-10-0.

## SAMOA (American)

### TELEVISION OF SAMOA (Gov.)
**Addr:** Dept. of Education, Pago Pago. **Te:** 2438. **L.P:** Mgr: V. W. Williams. Dir. Tec: R. Ware. **Stations:** chA2/A4/A5/A8/A10/A12/all 50kW. Satellites: chA7/A11 0.01kW H. **D.Prgr:** 18.30-02.00 (for schools), 05.30-08.30. **Projected:** chA13 50kW V, chA3/A6/A12 0.01kW H. **TV sets:** 1.100.

## TAHITI

### OFFICE DE RADIODIFF-TELEVISION FRANCAISE
**Addr:** B.P. 125, Papeete. **L.P.:** see radio. **Stations** (System K 625 lines): Pic Rouge chK4 0.05kW, Punaruu chK5 6W, Papeete chK6 0.05kW, Tataa chK8 0.05kW.
**D.Prgr:** 04.30-07.30 — **TV sets:** 3.000.

# NORTH AMERICA

## BERMUDA

### BERMUDA RADIO & TELEVISION CO. LTD. (Comm.)
**Addr:** Box 452, Hamilton. **L.P:** Mgr: K. Belton.
**Station** (System RCA): ZBM-TV chA10 16/4kW H. **D.Prgr:** 20.00-03.15 (Thurs, Fri, Sat 04.30).

### CAPITAL BROADCASTING CO. LTD.
**Addr:** Box 652, Hamilton. **Te:** 2-4444. **Cable:** Capbro. **L.P:** see radio. **Station** (System PYE): ZFB-TV chA8 5kW H. **D.Prgrs:** 18.30-04.00.
**TV sets:** 15.000.

## CANADA

### CANADIAN BROADCASTING CORPORATION
**(Publicly-owned)**
**Abbreviations:** see radio.
**Addr: Nfld. Reg:** CBNT, P.O. Box 5490, St. John's, Nfld. — CFSN-TV P.O. Box 190, Stephenville, Nfld. CFLA-TV, USAF Side, Goose Bay Airport, Goose Bay, Lab. CBYT, Box 610, Corner Brook — **Quebec Reg:** CBFT, CBMT, 1425 Dorchester Str. West Montreal. CBVT, Palais Montcalm, Quebec City — **Maritime Reg:** CBHT, P.O. Box 3000, Halifax, N.S CBAFT, P.O. Box 950, Moncton. N.B. — **Prairie Reg:** CBWT, CBWFT, P.O. Box 160, Winnipeg. Man. CBXT. P.O. Box 555, Edmonton, Alta. — **B.C. Reg:** CBUT, 701 Hornby Str, Vancouver — **Ontario:** English Networks HDQ, CBLT, P.O. Box 500, Toronto **Ottawa Area:** CBOT, CBOFT, P.O. Box 3220, Station "C", Ottawa.
**L.P:** Nfld. Reg: CBNT, CBYT: Dir: W. F. Galgay; Mgr. CBYT: C. V. Hierlihy — Quebec Reg: CBFT/CBMT: Asst. Gen. Mgr: French Netw: R. David. Prgr. Dir: J. Landry. Dir. Prgr. English Netw: K. Davey — CBVT: Mgr: R. Dussault. English Netw. & Toronto Area: Asst. Gen. Mgr: R. W. McGall. Maritime Reg: CBHT: Dir: S. R. Kennedy; Prgr. Dir. CBHT: K. R. Barry; CBAFT: Mgr: G. Thériault — Prairie Reg: Dir: K. Morrow. Prgr. Dir. CBWT: D. E. Cameron; CBWFT: M. Desaulniers. CBXT: R. Horley — B.C. Reg: Dir: K. P. Caple; CBUT: Prgr. Dir: E. R. Whitehouse — Ottawa Area: CBOT-CBOFT: Dir: J. Duun; Prgr. Dir: D. Townsend.
**CBC Stations:** Po: V — E=English Net, F=French Net — Def. 525.
Netw. relay st's. and Rebroadcast st's. not mentioned.

| Stations | Call | chA | kW(ERP) | Sce. |
|---|---|---|---|---|
| Montreal | CBFT | 2 | 100/50 | F |
| Vancouver | CBUT | 2 | 47.8/25.4 | E |
| Halifax | CBHT | 3 | 56/34 | E |
| Winnipeg | CBWT | 6 | 100/50 | E |
| Ottawa | CBOT | 4 | 50.1/26.7 | E |
| Corner Brook | CBYT | 5 | 0.197/0.098 | E |
| Edmonton | CBXT | 5 | 318/159 | E |
| Stations | Call | chA | kW(ERP) | Sce. |
| Montreal | CBMT | 6 | 100/60 | E |
| St. John's | CBNT | 8 | 196/98 | E |
| Quebec | CBVT | 11 | 173/87 | F |
| Toronto | CBLT | 6 | 99.5/53.5 | E |
| Winnipeg | CBWFT | 3 | 59/35.2 | F |
| Stephenville | CFSN-TV | 8 | 0.294/0.147 | E |
| Goose Bay | CFLA-TV | 8 | 0.87/0.435 | E |
| Ottawa | CBOFT | 9 | 31/17 | F |
| Moncton | CBAFT | 11 | 10.06/5.03 | F |

**TV sets:** 5.700.000.

### PRIVATELY OWNED COMMERCIAL TV STATIONS
Rebroadc. st's and st's less 3kW not mentioned.

| | Call | chA | kW | | Call | chA | kW |
|---|---|---|---|---|---|---|---|
| 1) | CHBC-TV | 2* | 3.7/0.46 | 33) | CHAT-TV | 6* | 5.7/3 |
| 2) | CHCT-TV | 2* | 100/500 | 34) | CKRD-TV | 6 | 13.2/6.6 |
| 3) | CJIC-TV | 2* | 28/15 | 35) | CHEK-TV | 6* | 100/50 |
| 4) | CKCK-TV | 2* | 100/53.5 | 36) | CJON-TV | 6* | 110/56 |
| 5) | CKCW-TV | 2* | 25/15 | 37) | CJPM-TV | 6* | 61/36.5 |
| 6) | CKPR-TV | 2* | 55.4/30.2 | 38) | CFSS-TV | 7 | 19/10 |
| 7) | CKSA-TV | 2 | 116/58 | 39) | CHLT-TV | 7* | 316/186 |
| 8) | CFTK-TV | 3 | 4.1/2.1 | 40) | CJAY-TV | 7* | 325/65 |
| 9) | CFRN-TV | 3* | 180.3/90.43 | 41) | CJLH-TV | 7 | 96.1/44.9 |
| 10) | CJBR-TV | 3* | 49.3/28 | 42) | CKMJ-TV | 7* | 55.4/27.7 |
| 11) | CJOX-TV | 3 | 6.7/3.4 | 43) | CKRT-TV | 7* | 49/24.5 |
| 12) | CKOS-TV | 3 | 15/2.6 | 44) | CFQC-TV | 8* | 180/27 |
| 13) | CKVR-TV | 3* | 100/50 | 45) | CHAN-TV | 8* | 164/81 |
| 14) | CFCM-TV | 4 | 100/20 | 46) | CKNX-TV | 8* | 90/55 |
| 15) | CFCN-TV | 4* | 55/27.5 | 47) | CKSS-TV | 8 | 120/12 |
| 16) | CFCR-TV | 4* | 4/2 | 48) | CJSS-TV | 8* | 130/78 |
| 17) | CHAB-TV | 4* | 48/25 | 49) | CHRE-TV | 9* | 140/75 |
| 18) | CHSJ-TV | 4* | 100/50 | 50) | CKBL-TV | 9 | 303/182 |
| 19) | CJCB-TV | 4* | 100/60 | 51) | CKLW-TV | 9* | 178/107 |
| 20) | CJCN-TV | 4 | 26/13 | 52) | CFCH-TV | 10 | 119/61 |
| 21) | CKBI-TV | 4 | 3/1.6 | 53) | CFPL-TV | 10* | 325/195 |
| 22) | CKRN-TV | 4 | 115/57.5 | 54) | CFTM-TV | 10* | 325/162.5 |
| 23) | CHAU-TV | 5 | 52.5/26.25 | 55) | CHCH-TV | 11 | 230/143 |
| 24) | CHOV-TV | 5 | 19.1/9.5 | 56) | CKWS-TV | 11* | 130/78 |
| 25) | CJCH-TV | 5 | 100/50 | 57) | CFCF-TV | 12* | 325/160 |
| 26) | CJDC-TV | 5 | 5/0.75 | 58) | CHEX-TV | 12* | 139/83.4 |
| 27) | CJFB-TV | 5* | 13.3/6.65 | 59) | CKAM-TV | 12* | 141/77 |
| 28) | CKBI-TV | 5 | 61/6.1 | 60) | CKRS-TV | 12* | 20/10 |
| 29) | CKMI-TV | 5* | 15.6/2 | 61) | CFCY-TV | 13 | 38.6/19.3 |
| 30) | CKSO-TV | 5* | 100/14.4 | 62) | CJOH-TV | 13* | 152/76 |
| 31) | CKX-TV | 5* | 54/27 | 63) | CKCO-TV | 13* | 325/65 |
| 32) | CFCL-TV | 6* | 100/50 | 64) | CKTM-TV | 13* | 325/162.5 |

Stations marked with * telecast also prgr's in colour.

1) **Okanagan Valley Television Co. Ltd,** Kelowna, B.C.
2) **Calgary TV Ltd,** 955 Rideau Rd, Calgary, Alta. **L.P:** St. Mgr: A. M. Cairns. Dir. Tec: E. J. Crawley. Film Buyer: R. Chase. **D.Prgr:** 16.00-08.00.
3) **Hyland Radio-TV Ltd,** 119 East St, Sault Ste. Marie, Ont.
4) **Trans-Canada Communications Ltd,** 1853 Hamilton St, Regina, Sask. **D.Prgr:** 15.00-07.00.
5) **Moncton Broadc. Ltd,** Knights of Pythias Bldg, Moncton, N.B.
6) **Thunder Bay Electronics, Ltd,** 87 No. Hill St, Port Arthur, Ont.
7) **CKSA-TV Ltd,** 5026-50th St, Lloydminster, Alta.
8) **Skeena Broadcasters Ltd,** Terrace, B.C.
9) **Sunwapta Broadc. Co. Ltd,** Broadc. House, Edmonton, Alta. **L.P:** St. Mgr: B. D. Alloway. Dir. Tec: T. E. Wadson. Film Buyer: G. T. Kidd. **D.Prgr:** W 15.00 (Sat 17.00)-08.00. Sun 18.00-07.30.
10) **La Radio du Bas St. Laurent Inc,** 13 St. Jean Baptiste, Rimouski, Que.
11) **Newfoundland Broadc. Co. Ltd,** Argentia, Nfld.
12) **Yorkton TV Co. Ltd,** 95 East Broadway, Yorkton, Sask. **L.P:** Gen. Mgr. & Film Buyer: G. S. Skinner. **D.Prgr:** Mon-Fri 13.30-08.00. Sat/Sun 19.00/08.00.
13) **Ralph Snelgrove TV Ltd,** Box 519, Barrie, Ont. **L.P:** St. Mgr: H. J. Snelgrove. Dir. Tec: B. Verwey. Film Buyer: J. Mattenley. **D.Prgr:** 13.45-06.30.
14) **Television du Quebec (Canada) Ltée,** P.O. Box 2026, Quebec 2. **L.P:** Gen. Mgr: J. A. Pouliot. Dir. Tec: G. Fortin. Film Buyer: G. Lovett. **D.Prgr:** ch4 12.30-06.00 (French), ch5 15.00-04.30 (English).
15) **CFCN-TV Ltd,** Broadc. House, Calgary, Alta. **L.P:** Pres: H. G. Love. Dir. Tec: R. W. Lamb. Film Buyer: E. W. Chapmann. **D.Prgr:** 15.00-08.00.
16) **Twin Cities Television Ltd,** 460 Pemberton Terrace, Kamloops, B.C. **L.P:** St. Mgr. and Film Buyer: F. Coventry. **D.Prgr:** 18.00-09.30.
17) **CHAB Ltd,** Johnston Bldg, Moose Jaw, Sask. **D.Prgr:** 17.30-07.00.
18) **New Brunswick Broadc. Ltd,** 14 Church St, Saint Johns, N.B.
19) **Cape Breton Broadc. Ltd,** 318 Charlotte St, Sydney, N.S. **D.Prgr:** 16.00-04.00.

20) **Newfoundland Broadc. Co. Ltd,** Prince of Wales St, St. Johns, Nfld. **L.P:** St. Mgr: C. Jamieson. Dir. Tec: O. Hierlihy. **D.Prgr:** 15.30-06.30.
21) **Central Broadc. Co. Ltd,** Greenwater Lake, Sask.
22) **R. Nord Inc,** 70 rue Gamble, Rouyn, Que.
23) **Télévision de la Baie des Chaleurs Inc,** Carleton, Que. **L.P:** St. Mgr. & Dir. Tec: M. Chabot. Film Buyer: M. Degrasse. **D.Prgr:** 15.00-07.00.
24) **Ottawa Valley TV Co. Ltd,** 319 Pembroke St. East, Pembroke, Ont. **D.Prgr:** 15.00-05.40.
25) **CJCH Ltd,** 2885 Robbie St, Halifax, N.S. **D.Prgr:** Mon-Fri 14.30-05.00, Sat 17.00-07.00, Sun 17.00-05.30.
26) **R. St. CJDC,** Dawson Creek, B.C.
27) **Swift Current Telecasting Co. Ltd,** Swift Current, Sask.
28) **Central Broadc. Co. Ltd,** 10th St, Prince Albert, Sask.
29) See 14.
30) **Cambrian Broadc. Ltd,** 336 Ash St, Sudbury, Ont. **D.Prgr:** 13.00-07.00.
31) **Western Manitoba Broadcasters Ltd,** 2940 Victoria Ave, Brandon, Man.
32) **CFCL-TV,** P.O. Box 620, Timmins, Ont. **L.P:** St. Mgr: R. Barette.
33) **Monarch Broadc. Co. Ltd,** Box 760, Medicine Hat, Alta. **L.P:** St. Mgr: F. G. Gunter. Dir. Tec: S. Gaffney. **D.Prgr:** 17.00-08.30.
34) **CHCA-TV Ltd,** Box 668, Red Deer, Alta. **L.P:** St. Mgr: W. Wilks. Dir Tec: J. Colter. **D.Prgr:** 15.30-07.30.
35) **CHEK TV Ltd,** 3693 Epsom Dr, Victoria, B.C.
36) See 20.
37) **CJPM-TV Inc,** P.O. Box 600, Chicoutimi, Que. **L.P:** Dir: P. J. Audette. Dir. Tec: R. Hudon. Film Buyer: C. Blain. **D.Prgr:** 17.00-05.00.
38) **Yorkton Television Co. Ltd,** 95 East Broadway, Yorkton, Sask.
39) **La. Tribune Inc,** 221, rue Dufferin, Sherbroke, Que. **D.Prgr:** 12.00-06.00.
40) **Ch.7 TV Ltd,** Polo Park, Winnipeg, Man. **L.P:** St. Mgr. & Film Buyer: J. S. Purvis. Dir. Tec: A. G. Cobb. **D.Prgr:** 14.00 (Sat/Sun 15.00)-06.00.
41) **Lethbridge TV Ltd,** P.O. Box 1120, Lethbridge, Alta. **L.P:** Gen. Mgr: N. Botterill. **D.Prgr:** 17.00-07.30 (approx.).
42) **Trans-Canada Communication Ltd,** Marquis, Sask.
43) **CKRT-TV Ltd,** 1 Christophe Colomb, Rivière du Loup, Que.
44) **CFQC TV Ltd,** 216 First Ave North, Saskatoon, Sask. **D.Prgr:** 15.00-08.00.
45) **British Columbia TV Broadc. System Ltd,** Burnaby, B.C.
46) **R. St. CKNX Ltd,** Cnr. Carling Terrace, Wingham, Ont. **D.Prgr:** 17.00-06.30.
47) **Yorkton TV Co. Ltd,** 95 East Broadway, Yorkton, Sask.
48) **Cornwall Broadc. Ltd,** Cornwall, Ont.
49) **CHAB Ltd,** Johnstone Bldg, Moose Jaw, Sask.
50) **La Compagnie de Radiodiff. de Matane Ltd,** 155 St. Sacrament St, Matane, Que. **L.P:** Gen. Mgr: R. Lapointe. Dir. Tec: Y. Fortier. **D.Prgr:** 15.30-06.00.
51) **Western Ontario Broadc. Co. Ltd,** 825 Riverside Dr. West, Windsor, Ont.
52) **Tel-Ad Co. Ltd,** Callander, Ont.
53) **London Free Press Printing Co. Ltd,** P.O. Box 2880, Terminal "A", London, Ont. **L.P:** St. Mgr. & Film Buyer: R. A. Reinhart. Dir. Tec: G. A. Robitaille. **D.Prgr:** 14.00-06.30 (Sun 15.00-05.30).
54) **Télé-Metropole Corpo,** 1405 Maisonneuve St, Montreal. **L.P:** St. Mgr: R. Giguere. Dir. Tec: M. Doucet. Film Buyer: M. Bastien. **D.Prgr:** 13.00-06.00.
55) **Niagara TV Ltd,** 163 Jackson St, Hamilton, Ont. **L.P:** St. Mgr: S. J. Bibby. Dir. Tec: W. E. Jeynes. Film Buyer: S. Hebscher. **D.Prgr:** 11.30-05.00.
56) **Frontenac Broadc. Co. Ltd,** 170 Queen Str, Kingston, Ont. **L.P:** Gen. Mgr: R. Hofstetter. Film Buyer: D. Lawrie. **D.Prgr:** 14.00-06.30.
57) **Canadian Marconi Co,** 405 Ogilvy Ave, Montreal 15. **L.P:** Gen. Mgr: D. W. G. Martz. Dir. Tec: J. E. Thompson. Film Buyer: W. Callender. **D.Prgr:** 14.00-07.00.
58) **Kawartha Broadc. Co. Ltd,** P.O. Box 659, Peterborough, Ont. **L.P:** St. Mgr' G. Schele. **D.Prgr:** 15.00-06.00.
59) **Moncton Broadc. Ltd,** Moncton, N.B.
60) **R. Saguenay Ltd,** 179 Sir Wilfrid Laurier, Jonquière, Que.
61) **The Island R. Broadc. Co. Ltd,** 85 Kent St, Charlottetown, PEI. **L.P:** St. Mgr: R. F. Large. **D.Prgr:** 18.00-04.15.
62) **Bushnell TV Co. Ltd,** 1500 Merivale Rd, Ottawa 5. **L.P:** St. Mgr: S. W. Griffiths. Dir. Tec: A. G. Day. Film Buyer: P. Francis. **D.Prgr:** 12.00-06.30.
63) **Central Ontario TV Ltd,** 864 King St. Kitchener, Ont. **L.P:** Gen. Mgr: W. D. McGregor. Dir. Tec: P. Turean. Film Buyer: B. Lawson. **D.Prgr:** 13.20 (Sat/Sun 14.30)-06.00.
64) **TV St. Maurice, Inc,** P.O. Box 277, Trois Rivières, Que. **L.P:** Gen. Mgr: H. Audet. St. Mgr. & Dir. Tec: R. Bonneau Film Buyer: A. Aubicon. **D.Prgr:** 14.00-05.00.

## ST. PIERRE ET MIQUELON

**OFFICE DE RADIODIFF TELEVISION FRANCAISE**
**Addr:** B.P. 7, St. Pierre et Miquelon. **L.P:** see radio.
**Station** (System K' 625 lines): ch K'4 0.05kW H.
**D.Prgr:** 23.00 (Sun 21.00)-01.30 (Sat 01.45, Sun 01.00).

# U.S.A.

## PRIVATE COMMERCIAL TELEVISION STATIONS

### ALABAMA

WAPI-TV (Ch 13), Box 1310, Birmingham 35201; Donald D. Wear, V.P. & Gen. Mgr.
WBMG-TV (Ch 42), P.O. Box 6146, Birmingham 35209; Hugh M. Smith, Gen. Mgr.
WBRC-TV (Ch 6), Box 389, Birmingham 35201; R. T. Schlinkert, V.P. & Gen. Mgr.
WMSL-TV (Ch 23), Mutual Savings Life Bldg, Decatur 35601; Frank Whisenant, Pres. & Gen. Mgr.
WTVY-TV (Ch 4), Box 1089, Dothan 36302; F. E. Busby, Pres. & Gen. Mgr.
WOWL-TV (Ch 15), Box 2220, Florence 35630; Richard B. Biddle, Pres. & Gen. Mgr.
WAAY-TV (Ch 31), 1000 Monte Sano Blvd, S.E, Huntsville 35801; Maury Farrell, Gen. Mgr.
WHNT-TV (Ch 19), 960 Monte Sano Blvd, Huntsville 35801; Charles F. Grisham, Pres. & Gen. Mgr.
WALA-TV (Ch 10), 210 Government St, Mobile 36602; H. Ray McGuire, Exec. V.P. & Gen. Mgr.
WKRG-TV (Ch 5), Box 1184, Mobile 36601; C. P. Persons Jr, Exec. V.P. & Gen. Mgr.
WCOV-TV (Ch 20), Box 2505, Montgomery 36111; Harry Amerson, V.P. & Gen. Mgr.
WSFA-TV (Ch 12), 10 East Delano St, Montgomery 36105; Robert Villar, Gen. Mgr.
WKAB-TV (Ch 32), Box 3236, Montgomery 36109; Robert L. Tuttle, St. Mgr.
WSLA-TV (Ch 8) Box 1016, Selma 36702; James M. Cothren, Gen. Mgr.
WCFT-TV (Ch 33), Box 2427, Tuscaloosa 35402; Arden D. Moser, Gen. Mgr.

### ALASKA

KENI-TV (Ch 2), 4th Ave, Theatre Bldg, Anchorage 99501; Alvin O. Bramstedt, Pres. & Gen. Mgr.
KTVA-TV (Ch 11), Box 2200, Anchorage 99501; A. G. Hiebert, Pres. & Gen. Mgr.
KFAR-TV (Ch 2), P.O. Box 910, Fairbanks 99701; Don Andon, St. Mgr.
KTUF-TV (Ch 11), 3rd & Lacey Sts, Fairbanks 99701; John Griffin, St. Mgr.
KINY-TV (Ch 8), 231 S. Franklin St, Juneau 99801; Jack Quisenberry, Gen. Mgr.
KIFW-TV (Ch 13), Box 299, Sitka 99835; Roy Paschal, Pres. & Gen. Mgr.

### ARIZONA

KOOL-TV (Ch 10), 511 West Adams St, Phoenix 85003; Homer Lane, V.P. & Gen. Mgr.
KPHO-TV (Ch 5), 631 N. First Ave, Phoenix 85004; Richard B. Rawls, V.P. & Gen. Mgr.
KTAR-TV (Ch 12), 1101 N. Central Ave, Phoenix 85004; Richard Lewis, Pres & Gen. Mgr.
KTVK-TV (Ch 3), 3435 N. 16th St, Phoenix 85016; Burton La Dow, Gen. Mgr.
KGUN-TV (Ch 9), 2175 N. Sixth Ave, Tucson 85703; Fred Vance, V.P. & Gen. Mgr.
KOLD-TV (Ch 13), 115 W. Drachman St, Tucson 85705; Paul Plunkett, V.P. & Gen. Mgr.
KVOA-TV (Ch 4), 209 W. Elm. St, Tucson 85705; Gordon Hamilton, St. Mgr.
KBLU-TV (Ch 13), 1322 Fourth Ave, Yuma 85364; Robert Crites, Pres. & Gen. Mgr.
KIVA-TV (Ch 11), P.O. Box 1671, Yuma 85364; Leavenworth Wheeler, Gen. Mgr.
KZAZ-TV (Ch 11), 134 Grand Ave, Nogales 85621 (sta. also serves Tucson); Bernie Perlin, St. Mgr.

### ARKANSAS

KTVE-TV (Ch 10), P.O. Box 791, El Dorado 71731; James T. Hite, St. Mgr.
KFSA-TV (Ch 5) 101 N. Fourth St, Ft. Smith 72901; J. W. Slates, V.P. & Gen. Mgr.
KAIT-TV (Ch 8), Box 790, Jonesboro 72402; George Hernreich, Gen. Mgr.

# U.S.A.

KARK-TV (Ch 4), 1001 Spring St, Little Rock 72203; Robert L. Brown, V.P. & Gen. Mgr.
KATV-TV (Ch 7), 310 W. Third St, Little Rock 72201; Robert Doubleday, V.P. & Gen. Mgr.
KTHV-TV (Ch 11), Box 269, Little Rock 72203, B. G. Robertson, V.P. & Gen. Mgr.

## CALIFORNIA

KERO-TV (Ch 23), 321-21st St, Bakersfield 93305; Kenneth R. Croes, V.P. & Gen. Mgr.
KBAK-TV (Ch 29), 2210 Chester Ave, Bakersfield 93304; Burt I. Harris, Pres.
KLYD-TV (Ch 17), 2831 Eye St, Bakersfield 93301; Paul Battisti, St. Mgr.
KNBC-TV (Ch 4), 3000 W. Alameda, Burbank 91503; Robert Howard, V.P. & Gen. Mgr.
KSHL-TV (Ch 12), Box 489, Chico 95927; M. F. Woodling, Mgr.
KIEM-TV (Ch 3), Box 1021, Eureka 95501; Paul Hoff, V.P. & Mgr.
KVIQ-TV (Ch 6), Box 1019, Eureka 95502; Sam Horel, Gen. Mgr.
KAIL-TV (Ch 53), Box 5160, Fresno 93744; B. L. Golden, Pres.
KFRE-TV (Ch 30), 733 L. St, Fresno 93701; James H. Burgess, Mng. Dir.
KICU-TV (Ch 43), 141 Market St, Fresno 94103; Keith Dare, Gen. Mgr.
KJEO-TV (Ch 47), Box 1708, Fresno 93717; Ray Grant, Gen. Mgr.
KMJ-TV (Ch 24), 1544 Van Ness, Fresno 93721; John I. Edwards, St. Mgr.
KABC-TV (Ch 7), Prospect & Talmadge Sts, Hollywood 90027; Elton H. Rule, V.P. & Gen. Mgr.
KCOP-TV (Ch 13), 915 N. LaBrea Ave, Hollywood 90038; John Hopkins, Pres.
KHJ-TV (Ch 9), 5515 Melrose Ave. Los Angeles 90038; Malcolm C. Klein, Gen. Mgr.
KMEX-TV (Ch 34), 721 N. Bronson Ave, Hollywood 90038; Julian Kaufman, V.P.
KNXT-TV (Ch 2), 6121 Sunset Blvd, Los Angeles 90028; Robert D. Wood, V.P. & Gen Mgr.
KTTV-TV (Ch 11), 5746 Sunset Blvd, Los Angeles 90028; Charles D. Young, V.P. & Gen. Mgr.
KWHY-TV (Ch 22), 5700 Sunset Blvd, Los Angeles 90028; Fredrick D. Custer, Gen. Mgr.
KTLA-TV (Ch 5), 5800 Sunset Blvd, Hollywood 90028; Carlo Anneke, Gen. Mgr.
KTVU-TV (Ch 2), 1 Jack London Square, Oakland 94607; Frank G. King, V.P. & Gen. Mgr.
KRCR-TV (Ch 7), 2770 Pioneer Dr, Redding 96001; Richard Green, Gen. Mgr.
KCRA-TV (Ch 3), 310 Tenth St, Sacramento 95814; Jon S. Kelly, Gen. Mgr.
KXTV-TV (Ch 10), 601 Seventh Ave, Sacramento 95818; Robert Wilson, V.P. & Gen. Mgr.
KSBW-TV (Ch 8), Box 1651, Salinas 93903; John C. Cohan, Pres. & Gen. Mgr.
KAAR-TV (Ch 39), 8330 Engineer Rd, San Diego 92111; William Sample Jr, Pres. & Gen. Mgr.
KFMB-TV (Ch 8), Fifth & Ash Sts, San Diego 92101; George Whitney, V.P. & Gen. Mgr.
KOGO-TV (Ch 10), Box 628, San Diego 92112; Clayton H. Brace, V.P. & Gen. Mgr.
KGO-TV (Ch 7), 277 Golden Gate Ave, San Francisco 94102; Davis M. Sacks, V.P. & Gen. Mgr.
KPIX-TV (Ch 5), 2655 Van Ness, San Francisco 94109; Fred Walker, Gen. Mgr.
KRON-TV (Ch 4), 929 Mission St, San Francisco 94103; A. H. Constant, V.P. & Gen. Mgr.
KNTV-TV (Ch 11), 645 Park Ave, San Jose 95110; Robert Hosfeldt, Gen. Mgr.
KEYT-TV (Ch 3), 730 Miramonte Dr, Santa Barbara 93105; Leslie H. Norins, V.P. & Gen. Mgr.
KCOY-TV (Ch 12), 1503 N. McClelland, Santa Maria 93454; James H. Ranger, Gen. Mgr.
KOVR-TV (Ch 13), 225 E. Miner Ave, Stockton 95202; Ramsey Elliott, Gen. Mgr.
KSJV-TV (Ch 21), Box 4734, Fresno; Cy Newman, Pres. & Gen. Mgr.
KMTW-TV (Ch 52), Kaiser Center, 300 Lake Side Dr, Oakland 94604; L. William White, St. Mgr.
KLXA-TV (Ch 40), 816 N. Highland Ave, Hollywood 90038; Gary Greene, St. Mgr.
KITR-TV (Ch 30), Box 41108, Los Angeles 90041; C. S. McDaniel, Gen. Mgr.
KSAN-TV (Ch 32), 1141 Market St, San Francisco; Norwood J. Patterson, Exec. Dir.
KSBY-TV (Ch 6), Box 1368, San Luis Obispo 93402; Art Hapgood, St. Mgr.

## COLORADO

KKTV-TV (Ch 11), 2110 Colorado Springs 80901; Rush Evans, Exec. V.P. & Gen. Mgr.
KRDO-TV (Ch 13), 399 S. Eighth St, Colorado Springs 80905; Harry W. Hoth Jr, Pres. & Gen. Mgr.
KBTV-TV (Ch 9), 1089 Bannock St, Denver 80204; Alvin Flanagan, Exec. V.P. & Gen. Mgr.
KLZ-TV (Ch 7), 131 Spear St, Denver 80204; Hugh B. Terry, Pres. & Gen. Mgr.
KOA-TV (Ch 4), 1044 Lincoln St, Denver 80217; Ralph Radetsky, Pres. & Gen. Mgr.
KWGN-TV (Ch 2), 550 Lincoln St, Denver 80203; Richard E. Jungers, V.P. & Gen. Mgr.
KREX-TV (Ch 5), Box 789, Grand Junction 81502; Rex Howell, Pres.
KOAA-TV (Ch 5), 2226 TV Lane, Pueblo 81003; James Croll, St. Mgr.
KREZ-TV (Ch 6), 171 E. 7th St, Durango 81301; Jack Welch, St. Mgr.
KREY-TV (Ch 10), 610 N. 1st St, Montrose 81401; Carl Anderson, St. Mgr.
KTVS-TV (Ch 3), State Hwy. 61, Sterling; Carl Occhipinti, Resident Mgr.

## CONNECTICUT

WHCT-TV (Ch 18), 555 Asylum St, Hartford; Keigler E. Flake, Gen. Mgr.
WTIC-TV (Ch 3), 3 Constitution Plaza, Hartford 06103; Leonard J. Patricelli, V.P.
VNHC-TV (Ch 8), 135 College St, New Haven 06510; Howard Maschmeier, Gen. Mgr.
WATR-TV (Ch 20), 440 Meadow St, Waterbury 06702; Harold Thomas, Pres.
WHNB-TV (Ch 30), 1422 New Britain Ave, West Hartford 06110; Robert W. Bray, V.P. & Gen. Mgr.

## WASHINGTON, D.C.

WDCA-TV (Ch 20), 5202 River Rd, Washington 20016; Milton Grant, Pres. & Gen. Mgr.
WMAL-TV (Ch 7), 4461 Connecticut Ave, N.W. Washington 20008; Frederick Houwink, V.P. & Gen. Mgr.
WOOK-TV (Ch 14), 5321 First Place, N.E. Washington 20011; E. Carlton Myers Jr, Gen. Mgr.
WRC-TV (Ch 4), 4001 Nebraska Ave, N.W. Washington 20016; Joseph Goodfellow, V.P. & Gen. Mgr.
WTTG-TV (Ch 5), 5151 Wisconsin Ave, N.W. Washington 20016; Robert M. Bennett, V.P. & Gen. Mgr.
WTOP-TV (Ch 9), 40th & Brandywine Sts, N.W. Washington; George Hartford, V.P. & Gen. Mgr.

## FLORIDA

WINK-TV (Ch 11), 2824 Palm Beach Blvd, Fort Myers 33901; A. J. Bauer, V.P. & Gen. Mgr.
WESH-TV (Ch 2), P.O. Box 1551, Daytona Beach 32015; Thomas S. Gilchrist Jr, V.P. & Gen. Mgr.
WTVX-TV (Ch 34), U.S. Hwy. 1, Fort Pierce 33450; W. E. Minshall, Pres. & Gen. Mgr.
WFGA-TV (Ch 12), 1070 E. Adams St, Jacksonville 32202; Ralph Nimmons, V.P. & St. Mgr.
WJKS-TV (Ch 17), Box 17000, Jacksonville 32216; Fred P. Shawn, V.P. & Gen. Mgr.
WJXT-TV (Ch 4), 1851 Southampton Rd, Jacksonville 32207; Glenn Marshall, Pres. & Gen. Mgr.
WCKT-TV (Ch 7), 1401 79th St, Causeway Miami 33141; Sidney Ansin, Pres.
WLBW-TV (Ch 10), 3900 Biscayne Blvd, Miami 33137; Thomas Welstead, V.P. & Gen. Mgr.
WTVJ-TV (Ch 4), 316 N. Miami Ave, Miami 33128; William Brazzil, V.P. in chg.
WDBO-TV (Ch 6), Box 1833, Orlando 32802; Joseph Sinclair, Pres. & Gen. Mgr.
WFTV-TV (Ch 9), Box 5795, Orlando 32805; Joseph L. Brechner, Pres. & Gen. Mgr.
WPTV-TV (Ch 5), 5 Cocoanut Row, Palm Beach 33480, Chester E. Pike Jr, V.P. & Gen. Mgr.
WJHG-TV (Ch 7), 107 Harrison Ave, Panama City 32401; James Tighe, St. Mgr.
WSUN-TV (Ch 38), Municipal Pier, St. Petersburg 33701; George Fee, Man. Dir.
WLCY-TV (Ch 10), 2429 Central Ave, St. Petersburg 33713; Sam Rahall, Pres. & Gen. Mgr.
WCTV-TV (Ch 6), Box 3547, Tallahassee 32303; Joseph F. Hosford, Gen. Mgr.
WFLA-TV (Ch 8), Box 1410, Tampa 33601; George W. Harvey, V.P. & Gen. Mgr.
WTVT-TV (Ch 13), Box 1198, Tampa 33601; E. B. Dodson, V.P. & Gen. Mgr.
WEAT-TV (Ch 12), Box 70, West Palm Beach 33402; John D. MacArthur, Pres.
WEAR-TV (Ch 3), Box 431, Pensacola 32502; Milt de Reyna, Gen. Mgr.

## GEORGIA

WALB-TV (Ch 10), Stuart Ave, Albany 31705; Raymond E. Garow, Gen. Mgr.
WAGA-TV (Ch 5), P.O. Box 4207, Atlanta 30302; H. W. Ray, Gen. Mgr.
WAII-TV (Ch 11), 1611 W. Peachtree St, N.E. Atlanta 30309; Joseph Higgins, V.P. & Gen. Mgr.
WSB-TV (Ch 2), 1601 W. Peachtree St, N.E. Atlanta 30309; Don Elliott Heald, Gen. Mgr.
WJBF-TV (Ch 6), P.O. Box 1404, Augusta 30903; Asa Stallworth, V.P. & Gen. Mgr.
WRBL-TV (Ch 3), Box 270, Columbus 31902; J. W. Woodruff Jr, Pres. & Gen. Mgr.
WTVM-TV (Ch 9), Box 1848, Columbus 31902; Joe Windsor, V.P. & Gen. Mgr.
WMAZ-TV (Ch 13), Bankers Insurance Bldg, Macon 31201; Frank Crowther, Gen. Mgr.
WSAV-TV (Ch 3), Box 2429, Savannah 31043; Harben Daniel, Pres. & Gen. Mgr.
WTOC-TV (Ch 11), Box 858, Savannah 31402; F. S. Knight, Pres. & Gen. Mgr.

## HAWAII

KGMB-TV (Ch 9), Box 581, Honolulu 96809; Cecil Heftel, Pres. & Gen. Mgr.
KHON-TV (Ch 2), 1170 Auahi St, Honolulu 96814; Daniel Kawakami, Gen. Mgr.
KHVH-TV (Ch 4), 1290 Ala Moana Blvd, Honolulu 96814; Lawrence S. Berger, Pres. & Gen. Mgr.
KTRG-TV (Ch 13), 2227-A Kalahaua Ave, Honolulu 96815; David Watumull, Pres. & Gen. Mgr.
KHAW-TV (Ch 11) (Satellite of KHON-TV at Hilo)
KHVO-TV (Ch 13) (Satellite of KHVH-TV at Hilo)
KPUA-TV (Ch 9) (Satellite of KGMB-TV at Hilo)
KAII-TV (Ch 7) (Satellite of KHON-TV at Wailuku)
KMAU-TV (Ch 3) (Satellite of KGMB-TV at Wailuku)
KMVI-TV (Ch 12) (Satellite of KHVH-TV at Wailuku)

## IDAHO

KBOI-TV (Ch 2), 1007 W. Jefferson St, Boise 83702; Westerman Whillock, Gen. Mgr.
KTVB-TV (Ch 7), 700 Crestline Dr, Boise 83702; Robert Krueger, Exec. V.P. & Gen. Mgr.
KIFI-TV (Ch 8), Box 2148, Idaho Falls 83401; J. M. Brady, Pres. & Gen. Mgr.
KID-TV (Ch 3), 1255 E. 17th St, Idaho Falls 83401; J. Allen Jensen, Exec. V.P. & Gen. Mgr.
KMVT-TV (Ch 11), Elizabeth at Eastland, Twin Falls 83301; Gordon Glassman, Pres. & Gen. Mgr.
KTVR-TV (Ch 7) (Satellite of KTVB-TV)

## ILLINOIS

WCIA-TV (Ch 3), 509 S. Neil St, Champaign 61820; August C. Meyer, Pres.
WCHU-TV (Ch 33) (Satellite of WICS-TV at Champaign)
WFLD-TV (Ch 32), Television Centre, Chicago 60611; Sterling C. Quinlan, Pres. & Gen. Mgr.
WBBM-TV (Ch 2), 630 N. McClurg St, Chicago 60611; Edward Kenefick, V.P. & Gen. Mgr.
WBKB-TV (Ch 7), 190 N. State St, Chicago 60601; Richard A. O'Leary, V.P. & Gen. Mgr.
WCIU-TV (Ch 26), 141 W. Jackson, Chicago 60604; J. W. O'Connor, Gen. Mgr.
WGN-TV (Ch 9), 2501 Bradley Place, Chicago 60618; B. H. Berentson, V.P. & Gen. Mgr.
WMAQ-TV (Ch 5), Merchandise Mart, Chicago 60654; Robert Lemon, V.P. & Gen. Mgr.
WAND-TV (Ch 17), Box 631, Decatur 62521; Len Carl, V.P. & Gen. Mgr.
WEEK-TV (Ch 25), 2907 Springfield Rd, East Peoria 61611; Fred C. Mueller, Pres. & Gen. Mgr.
WSIL-TV (Ch 3), 21 W. Poplar St, Harrisburg 62946; O. L. Turner, Gen. Mgr.
WQAD-TV (Ch 8), 3003 Park 16th St, Moline 61265; Arthur M. Swift, Exec. V.P. & Gen. Mgr.
WIRL-TV (Ch 19), 109 S. W. Jefferson, Peoria 61602; Howard H. Frederick, Gen. Mgr.
WMBD-TV (Ch 31), 212 S.W. Jefferson Ave, Peoria 61602; William L. Brown, Gen. Mgr.
WGEM-TV (Ch 10), Hotel Quincy, Quincy 62301; Joseph Bonansinga, V.P. & Gen. Mgr.
KHQA-TV (Ch 7), 510 Main St, Quincy 62301; Walter J. Rothschild, Pres.
WCEE-TV (Ch 23), Box 957, Rockford 61105; Earl Hickerson, Gen. Mgr.
WHBF-TV (Ch 4), Telco Bldg, Rock Island 61201; Leslie C. Johnson, V.P. & Gen. Mgr.
WTVO-TV (Ch 17), Box 470, Rockford 61105; Harold Froelich, Gen. Mgr.
WREX-TV (Ch 13), W. Auburn & Winnebago Rds, Rockford 61103; J.M. Baisch, V.P. & Gen. Mgr.
WICS-TV (Ch 20), 2680 E. Cook, Springfield 62703; Milton D. Friedland, V.P. & Gen. Mgr.
WICD-TV (Ch 24) (Satellite of WICS-TV at Danville)
WWEQ-TV (Ch 35) (Satellite of WEEK-TV at La Salle)

## INDIANA

WEHT-TV (Ch 25), Box 395, Evansville 47704; William R. Hight, Gen. Mgr.
WFIE-TV (Ch 14), 1115 Mt. Auburn Rd, Evansville 47712; Jack E. Douglas, V.P. & Gen. Mgr.
WTVW-TV (Ch 7), 405 Carpenter St, Evansville 47708; E. Berry Smith, Gen. Mgr.
WPTA-TV (Ch 21), 3333 Butler Rd, Ft. Wayne 46804; Victor H. Sterling, Gen. Mgr.
WANE-TV (Ch 15), 2915 W. State Blvd, Ft. Wayne 46807, Reid G. Chapman, V.P. & Gen. Mgr.
WKJG-TV (Ch 33), 2633 W. State Blvd, Ft. Wayne 46808; Hilliard Gates, V.P. & Gen. Mgr.
WFBM-TV (Ch 6), 1330 N. Meridian St, Indianapolis 46202; Eldon Campbell, V.P. & Gen. Mgr.
WISH-TV (Ch 8), Box 1959, Indianapolis 46206; Robert B. McConnell, V.P. & Gen. Mgr.
WTTV-TV (Ch 4), 3490 Bluff Road, Indianapolis 46217; Robert G. Holben, Gen. Mgr.
WLWI-TV (Ch 13), 1401 N. Meridian St, Indianapolis 46202; John M. Slocum, Gen. Mgr.
WFAM-TV (Ch 18), McCarty Lane, Lafayette 47905; Richard W. Long, Gen. Mgr.
WTAF-TV (Ch 31), P.O. Box 631, Marion 46952; Gene G. Cook, Gen. Mgr.
WLBC-TV (Ch 49), Box 271, Muncie 47302; Don Burton, Pres. & Gen. Mgr.
WNDU-TV (Ch 16), P.O. Box 16, South Bend 46624; William T. Hamilton, V.P. & Gen. Mgr.
WSBT-TV (Ch 22), 300 W. Jefferson Blvd, South Bend 46601; Warren Wheeler, Gen. Mgr.
WSJV-TV (Ch 28), Box 28, South Bend 46624, Don E. Fuller, Gen. Mgr.
WTHI-TV (Ch 10), 918 Ohio St, Terre Haute 47801; Anton Hulman Jr, Pres. & Gen. Mgr.
WTWO-TV (Ch 2), Box 299, Terre Haute 47808; John T. Gelder Jr, Exec V.P.

## IOWA

WOI-TV (Ch 5), WOI-TV Bldg, Ames 50010; Robert C. Mulhall, Gen. Mgr.
KCRG-TV (Ch 9), First Ave. & First St, S.W. Cedar Rapids 52404; Edwin J. Lasko, Gen. Mgr.
WMT-TV (Ch 2), P.O. Box 1111, Cedar Rapids 52406; W. B. Quarton, Pres.
WOC-TV (Ch 6), 805 Brady St, Davenport 52803; David Palmer, Pres.
KRNT-TV (Ch 8), Ninth & Pleasant Sts, Des Moines 50309; Robert Dillon, V.P. & Gen. Mgr.
WHO-TV (Ch 13), 1100 Walnut St, Des Moines 50309; Robert H. Harter, Gen. Mgr.
KVFD-TV (Ch 21), Television Square, Fort Dodge 50501; Ed Breen, Pres. & Gen. Mgr.
KGLO-TV (Ch 3), Second & Pennsylvania, Mason City 50401; Lloyd Leers, St. Mgr.
KTVO-TV (Ch 3), KTVO Bldg. Ottumwa 52501; Dale Cowle, Gen. Mgr.
KTIV-TV (Ch 4), Tenth & Grandview, Sioux City 51103; Deitrich Dirks, Pres. & Gen. Mgr.
KVTV-TV (Ch 9), Seventh & Douglas Sts, Sioux City 51101; William F. Turner, Gen. Mgr.
KWWL-TV (Ch 7), E. Fourth & Franklin Sts, Waterloo 50703; Thomas L. Young, Exec. V.P.

## KANSAS

KTVC-TV (Ch 6), Box 157, Dodge City, 67801; Wendell Elliott, V.P. & Gen. Mgr.
KOAM-TV (Ch 7), Box 659, Pittsburg 66762; R. E. Wade, V.P. & Gen. Mgr.
WIBW-TV (Ch 13), Box 119, Topeka 66601; Thad M. Sandstrom, V.P. & Gen. Mgr.
KAKE-TV (Ch 10), 1500 N. West St, Wichita 67203; Martin Umansky, V.P. & Gen. Mgr.
KARD-TV (Ch 3), 833 N. Main St, Wichita 67203; Don Sbarra, Exec. V.P. & Gen. Mgr.
KTVH-TV (Ch 12), 2815 E. 37th St, Wichita 67216; M. Dale Larsen, V.P. & Gen. Mgr.
KGLD-TV (Ch 11) (Satellite of KARD-TV at Garden City)
KUPK-TV (Ch 13) (Satellite of KAKE-TV at Garden City)
KLOE-TV (Ch 10) (Satellite of KAYS-TV at Goodland)
KCKT-TV (Ch 2) (Satellite of KARD-TV at Great Bend)
KAYS-TV (Ch 7), Box 817, Hays; Robert E. Schmidt, Gen Mgr.

# U.S.A.

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WLTV-TV (Ch 13), Box 1198, Bowling Green 42101; J. M. Walters, V.P. & Gen. Mgr.
WKYT-TV (Ch 27), Box 655, Lexington 40501, Jack Remington, Gen. Mgr.
WHAS-TV (Ch 11), 525 W. Broadway, Louisville 40202; Victor A. Sholis, Pres. & St. Dir.
WAVE-TV (Ch 3), 725 S. Floyd St, Louisville 40203; T. Ballard, Morton, Pres.
WLEX-TV (Ch 18), Box 1457, Lexington 40501; Harry G. Barfield, V.P. & Gen. Mgr.
WLKY-TV (Ch 32), 3947 Park Dr, Louisville 40216; Ed Shadburne, Gen. Mgr.
WPSD-TV (Ch 6), Box 1037, Paducah 42001; Sam Livingston, Gen. Mgr.

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KALB-TV (Ch 5), 605-11 Washington St, Alexandria 71301; Robert E. Miller, Gen. Mgr.
WAFB-TV (Ch 9), 844 Government St, Baton Rouge 70802; Tom E. Gibbens, Pres. & Gen. Mgr.
WBRZ-TV (Ch 2), 1650 Highland Rd, Baton Rouge 70802; Douglas L. Manship, Pres. & Gen. Mgr.
KATC-TV (Ch 3), Box 3347, Lafayette 70504; William Patton, Gen. Mgr.
KLFY-TV (Ch 10), Box 3687, Lafayette 70504; Thomas G. Pears, Gen. Mgr.
KPLC-TV (Ch 7), 320 Division St, Lake Charles 70601; Pelham Mills, Jr, Pres.
KNOE-TV (Ch 8), Knoe Rd, Monroe 71201; Paul H. Goldman, Exec. V.P. & Gen. Mgr.
WDSU-TV (Ch 6), 520 Royal St, New Orleans 70130; A. Louis Read, Pres.
WVUE-TV (Ch 12), 1422 Cleveland Ave, New Orleans 70112; Douglas J. Elleson, V.P. & Gen. Mgr.
WWL-TV (Ch 4), 1024 N. Rampart St, New Orleans 70116; Michael Early, Gen. Mgr.
KSLA-TV (Ch 12), Box 92, Shreveport 71102; Winston B. Linam, V.P. & Gen. Mgr.
KTAL-TV (Ch 6), 3150 N. Market St, Shreveport 71107; Walter Hussman, Pres.
KTBS-TV (Ch 3), 312 E. Kings Highway, Shreveport 71104; E. Newton Wray, Pres. & Gen. Mgr.
WWOM-TV (Ch 26), International Trade Mart, Canal St, New Orleans; David Wagenvoord, Pres. & Gen. Mgr.

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WEMT-TV (Ch 7), 41 Farm Rd, Bangor 04401; William H. Hart, St. Mgr.
WLBZ-TV (Ch 2), Box 732, Bangor 04401; Rudolph Marcoux, Gen. Mgr.
WCHS-TV (Ch 6), 579 Congress St, Portland 04101; Jack Atwood, V.P. & Gen. Mgr.
WGAN-TV (Ch 13), 390 Congress St, Portland 04111; Donald Moeller, V.P. & Gen. Mgr.
WMTW-TV (Ch 8), Congress Bldg, Portland 04101; Robert Maynard, V.P. & Gen. Mgr.
WAGM-TV (Ch 8), Box 749, Presque Isle 04769; Stanley Lyons, Gen. Mgr.

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WJZ-TV (Ch 13), Television Hill, Baltimore 21211; David Henderson, Gen. Mgr.
WMAR-TV (Ch 2), 6400 York Rd, Baltimore 21212; Donald Campbell, V.P. & Gen. Mgr.
WBOC-TV (Ch 16), Radio Park, Salisbury 21801; Charles Truitt, V.P. & Gen. Mgr.
WMET-TV (Ch 24), 4340 Park Heights Ave, Baltimore 21215; J. Herman Sitrick, Gen. Mgr.

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WHDH-TV (Ch 5), 50 Morrissey Blvd, Boston 02125; Harold Clancy, Exec. V.P.
WSBK-TV (Ch 38), 25 Granby St, Boston 02215; William J. Flynn, Gen. Mgr.
WNAC-TV (Ch 7), 21 Brookline Ave, Boston 02215; William McCormick, V.P. & Gen. Mgr.
WTEV-TV (Ch 6), Television Center, New Bedford 02740; Vance L. Eckersley, Gen. Mgr.
WHYN-TV (Ch 40), 1300 Liberty St, Springfield 01104; Charles DeRose, V.P. & Gen. Mgr.
WWLP-TV (Ch 22), Box 2210, Springfield 01101; William Putnam, Pres. & Gen. Mgr.
WCDC-TV (Ch 19) (Satellite of WTEN-TV in Albany, N.Y. at Adams, Mass.)
WKBG-TV (Ch 56), 1050 Commonwealth Ave, Brookline; James Lynagh, Gen. Mgr.
WRLP-TV (Ch 32) (Satellite of WWLP-TV in Springfield at Greenfield)
WJZB-TV (Ch 14) (Affiliate operation of WWLP-TV in Springfield at Worcester)

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CKLW-TV (Ch 9), Guardian Bldg, Detroit 48226; S. Campbell Ritchie, Pres. & Gen. Mgr.
WJBK-TV (Ch 2), 7441 Second Blvd, Detroit 48202; Lawrence Carino, V.P. & Gen. Mgr.
WWJ-TV (Ch 4), 622 Lafayette Blvd, Detroit 48226; James Schiavone, Gen. Mgr.
WJRT-TV (Ch 12), 2302 Lapeer Rd, Flint 48503; Albert J. Gillen, Exec. V.P. & Gen. Mgr.
WOOD-TV (Ch 8), 120 College Ave, S.E., Grand Rapids 49502; Willard Schroeder, V.P. & Gen. Mgr.
WZZM-TV (Ch 13), Television Center, Grand Rapids 49502; William C. Dempsey, Exec. V.P. & Gen. Mgr.
WILX-TV (Ch 10), Box 380, Jackson 49204; William J. Hart, Gen. Mgr.
WKZO-TV (Ch 3), 590 W. Maple St, Kalamazoo 49001; Carl E. Lee, Exec. V.P. & Gen. Mgr.
WJIM-TV (Ch 6), E. Saginaw at Howard St, Lansing 48912; Harold F. Gross, Pres.
WLUC-TV (Ch 6), Box 479, Marquette 49855; Elroy E. Strand, Gen. Mgr.
WKNX-TV (Ch 57), 221 S. Washington Ave, Saginaw 48607; William J. Edwards, Pres. & Gen. Mgr.
WNEM-TV (Ch 5), 5700 Becker Rd, Saginaw 48601; James Gerity Jr, Pres. & Gen. Mgr.
WKBD-TV (Ch 50), Box 359, Southfield 48077; Richard L. Freeman, Gen. Mgr.
WXYZ-TV (Ch 7), 20777 W. 10 Mile Rd, Southfield 48076; John Campbell, Pres. & Gen. Mgr.
WPBN-TV (Ch 7), Paul Bunyan Bldg, Traverse City 49684; Harold Lipson, Gen. Mgr.
WTOM-TV (Ch 4) (Affiliate WPBN-TV in Traverse City at Cheboygan)
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WDIO-TV (Ch 10), 10 Observation Rd, Duluth 55811; Frank Befera, Pres. & Gen. Mgr.
WDSM-TV (Ch 6), 230 E. Superior St, Duluth 55802; Robert J. Rich, Gen. Mgr.
KEYC-TV (Ch 12), P.O. Box 12, Mankato 56001; Donald Harrer, V.P. & St. Mgr.
KMSP-TV (Ch 9), Foshay Tower, Minneapolis 55402; Donald Swarts, Pres. & Gen. Mgr.
WCCO-TV (Ch 4), 50 S. Ninth St, Minneapolis 55402; F. Van Konynenburg, Exec. V.P. & Gen. Mgr.
WTCN-TV (Ch 11), 2925 Dean Blvd, Minneapolis 55416; Robert C. Fransen, V.P. & Gen. Mgr.
KROC-TV (Ch 10), 100 First Ave. Bldg, Rochester 55901; David Gentling, V.P. & Gen. Mgr.
KSTP-TV (Ch 5), 3415 University Ave, St. Paul 55114; Stanley S. Hubbard, V.P. & Gen. Mgr.
KNMT-TV (Ch 12) (Affiliate of KCMT-TV in Alexandria at Walker)

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WDAM-TV (Ch 7), Box 1649, Hattiesburg 39401; Marvin Reuben, Gen. Mgr.
WJTV-TV (Ch 12), Box 8187, Jackson 39204; L. M. Sepaugh, Gen. Mgr.
WLBT-TV (Ch 3), 715 S. Jefferson St, Jackson 39201; Bob McRaney Jr, Gen. Mgr.
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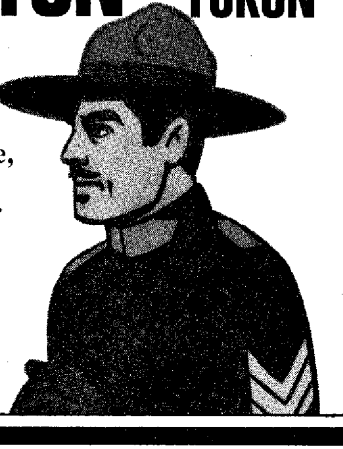

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KODE-TV (Ch 12), 1928 W. 13th St, Joplin 64803; D. T. Knight, V.P. & Gen. Mgr.
WDAF-TV (Ch 4), Signal Hill, Kansas City 64108; Robert Wormington, Gen. Mgr.
KCMO-TV (Ch 5), 125 E. 31st St, Kansas City 64108; E. K. Hartenbower, V.P. & Gen. Mgr.
KMBC-TV (Ch 9), 11th & Central St, Kansas City 64105; Mark Wodlinger, V.P. & Gen. Mgr.
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KMOX-TV (Ch 4), 1215 Cole St, St. Louis 63106; Gene Wilkey, V.P. & Gen. Mgr.
KPLR-TV (Ch 11), Video City, St. Louis 63108; Michael McCormick, V.P. & Gen. Mgr.
KSD-TV (Ch 5), 1111 Olive St, St. Louis 63101; Harold Grams, Gen. Mgr.
KTVI-TV (Ch 2), 5915 Berthold Ave, St. Louis 63110; Ralph Hansen, V.P. & Gen. Mgr.
KTTS-TV (Ch 10), 2650 E. Division St, Springfield 68053; G. Pearson Ward, Gen. Mgr.
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KXGN-TV (Ch 5), Box 205, Glendive 59330; Gerry Robbins, Gen. Mgr.
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KRTV-TV (Ch 3), Box 1331, Great Falls 59401; Don Bradley, Gen. Mgr.
KBLL-TV (Ch 12), 2433 N. Montana Ave, Helena 58601; Robert Ottman, Gen. Mgr.
KGVO-TV (Ch 13), 340 W. Main St, Missoula 59801; W. C. Blanchette, Gen. Mgr.

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KOLN-TV (Ch 10), 40th & West Sts, Lincoln 68501; A. James Ebel, V.P. & Gen. Mgr.
KNOP-TV (Ch 2), Box 749, N. Platte 69101; Harry Peck, Gen. Mgr.
KETV-TV (Ch 7), 27th & Douglas Sts, Omaha 68131; Eugene S. Thomas, Exec. V.P. & Gen. Mgr.
KMTV-TV (Ch 3), 2615 Farnam St, Omaha 68131; Owen Saddler, Exec. V.P. & Gen. Mgr.
WOW-TV (Ch 6), 3501 Farnam St, Omaha 68131; Howard L. Stalnaker, V.P. & Gen. Mgr.
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KDUH-TV (Ch 4) (Affiliate of KOTA-TV in Rapid City, S.D. at Hay Springs, Neb.)
KHPL-TV (Ch 6) (Satellite of KHOL-TV in Kearney at Hayes Center)
KOMC-TV (Ch 8) (Satellite of KARD-TV in Wichita, Kan, at McCook, Neb.)
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KLAS-TV (Ch 8), 250 E. Dessert Inn Rd, Las Vegas 89109; Mark Smith, St. Mgr.
KCRL-TV (Ch 4), 1790 Vassar St, Reno 89502; Roger Van Duzer, St. Mgr.
KOLO-TV (Ch 8), 770 E. 5th St, Reno 89502; Philip G. Rose, V.P. & Gen. Mgr.

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KOAT-TV (Ch 7), 1377 University Blvd, N.E, Albuquerque 87106; Max A. Sklower, St. Mgr.
KOB-TV (Ch 4), Box 1351, Albuquerque 87103; Jerry Danziger, St. Mgr.
KAVE-TV (Ch 6), P.O. Box 1538, Carlsbad 88220; J. Ross Rucker, Gen. Mgr.
KBIM-TV (Ch 10), 308 N. Main, Roswell 88201; W. H. Bailey, St. Mgr.
KSWS-TV (Ch 8), 1717 W. Second St, Roswell 88201; John A. Barnett, Gen. Mgr.
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WNBE-TV (Ch 12), Box 2325, New Bern 28562; Nathan Frank, Pres. & Gen. Mgr.
WRAL-TV (Ch 5), 2619 Western Blvd, Raleigh 27606; Fred Fletcher, Exec. V.P. & Gen. Mgr.
WITN-TV (Ch 7), Box 468, Washington; W. R. Roberson Jr, Pres. & Gen. Mgr.
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KCND-TV (Ch 12), Box 191, Pembina 58271; Richard Vincent, Gen. Mgr.
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KMOT-TV (Ch 10) (Satellite of KFYR-TV, Bismarck, Minot)
KXMC-TV (Ch 13), KXMC Bldg, Minot 58701; Chester Reiten, Pres. & Gen. Mgr.
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WLWT-TV (Ch 5), 140 W. Ninth St, Cincinnati; James J. Crane, V.P. & Gen. Mgr.
WEWS-TV (Ch 5), 3001 Euclid Ave, Cleveland 44115; Donald L. Perris, Gen. Mgr.
WJW-TV (Ch 8), 1630 Euclid Ave, Cleveland 44115; Kenneth Bagwell, V.P. & Gen. Mgr.
WKYC-TV (Ch 3), 1403 E. Sixth St, Cleveland 44114; Arthur A. Watson, V.P. & Gen. Mgr.
WBNS-TV (Ch 10), 770 Twin Rivers Dr, Columbus 43212; Richard A. Borel, Pres.
WLWC-TV (Ch 4), 3165 Olentangy River Rd, Columbus 43202; Richard Reed, V.P. & Gen. Mgr.
WTVN-TV (Ch 6), 753 Harmon Ave, Columbus 43223; Fred Von Stade, Gen. Mgr.
WHIO-TV (Ch 7), 1414 Wilmington Ave, Dayton 45420; Stanley Mouse, Gen. Mgr.
WKEF-TV (Ch 22), 1731 Soldiers Home & W. Carrollton Rd, Dayton 45409; George J. Mitchell, Gen. Mgr.
WLWD-TV (Ch 2), 4595 S. Dixie Highway, Dayton 45439; Donald Dahlman, V.P. & Gen. Mgr.
WIMA-TV (Ch 35), 1524 Rice Ave, Lima 45805; Robert Mack, Gen. Mgr.
WSTV-TV (Ch 9), 428 Market St, Steubenville 43952; Theodore Eiland, V.P. & Gen. Mgr.
WDHO-TV (Ch 24), Commodore Perry Hotel, Toledo 43603; Robert Bailey, V.P. & Gen. Mgr.
WSPD-TV (Ch 13), 136 Huron St, Toledo 43604; Keith T. McKenney, V.P. & Gen. Mgr.
WTOL-TV (Ch 11), 604 Jackson St, Toledo 43604; Charles A. Batson, Gen. Mgr.
WKBN-TV (Ch 27), 3930 Sunset Blvd, Youngstown 44512; W. P. Williamson Jr, Pres. & Gen. Mgr.
WFMJ-TV (Ch 21), 101 W. Boardman St, Youngstown 44503; William F. Maag Jr, Pres.
WYTV-TV (Ch 33), 3800 Shady Run Rd, Youngstown 44502; Howard D. Duncan Jr, Exec. V.P. & Gen. Mgr.
WHIZ-TV (Ch 18), N. Fifth St, Zanesville 43701; Robert Hodous, Gen. Mgr.
WICA-TV (Ch 15), Box 372, Ashtabula, John A. Colin, Gen. Mgr.
WJAN-TV (Ch 17), Box 985, Canton; John Hamm, Gen. Mgr.
WSCO-TV (Ch 19), 1150 W. 8th St, Cincinnati; R. D. McLarty, V.P. & Gen. Mgr.
WRLO-TV (C h30), 4132 Scioto Trail, Portsmouth 45662; R. Dean Sturm, Gen. Mgr.

**OKLAHOMA**
KTEN-TV (Ch 10), Box 10, Ada 74820; Bill Hoover, Pres. & Gen. Mgr.
KSWO-TV (Ch 7), P.O. Box 708, Lawton 73502; R. H. Drewry, Pres. & Gen. Mgr.
KOCO-TV (Ch 5), Box 16538, Oklahoma City 73116; Ben. K. West, V.P. & Gen. Mgr.
KWTV-TV (Ch 9), Box 14788, Oklahoma City 73114; Edgar T. Bell, V.P. & Gen. Mgr.
WKY-TV (Ch 4), Box 14668, Oklahoma City 73114; Norman P. Bagwell, V.P.
KTUL-TV (Ch 8), Box 9697, Tulsa 74107; William D. Swanson, V.P. & Gen. Mgr.
KOTV-TV (Ch 6), 302 S. Frankfort St, Tulsa 74120; George Stevens, V.P. & Gen. Mgr.
KVOO-TV (Ch 2), 3701 S. Peoria, Tulsa 74105; John Devine, Exec. V.P. & Gen. Mgr.
KXII-TV (Ch 12), Madill, Oklahoma; C. M. Balding, Gen. Mgr.
KPLR-TV (Ch 14), Box 94970, Oklahoma City; Omer C. Thompson, V.P. & Gen. Mgr.
KFDO-TV (Ch 8) (Satellite of KFDA-TV in Amarillo, Tex. near Sayre, Oklahoma)

**OREGON**
KEZI-TV (Ch 9), 2225 Coburg Rd, Eugene 97401; Don Tykeson, V.P. & Gen. Mgr.
KVAL-TV (Ch 13), Box 1313, Eugene 97401; S.W. McCready, Gen. Mgr.
KOTI-TV (Ch 2), 239 Main St, Klamath Falls 97601; Don R. Stonehill, St. Mgr.
KMED-TV (Ch 10), P.O. Box 10. Medford 97501; Ray Johnson, Exec. V.P. & Gen. Mgr.
KTVM-TV (Ch 5), 2000 Crater Lake Highway, Medford 97501; Jerold R. Poulos, V.P. & St. Mgr.
KATU-TV (Ch 2), 2153 N.E. Sandy Blvd, Portland 97232; William J. Hubbach, V.P. & Gen. Mgr.
KGW-TV (Ch 8), 1501 S.W. Jefferson, Portland 97201; Ancil H. Payne, V.P. & Gen. Mgr.
KOIN-TV (Ch 6), 140 S.W. Columbia St, Portland 97201; C. Howard Lane, Pres. & Man. Dir.
KPTV-TV (Ch 12), Box 3401, Portland 97208; John S. Hansen, Pres. & Gen. Mgr.
KCBY-TV (Ch 11) Satellite of KVAL-TV in Eugene at Coos Bay)
KTVR-TV (Ch 13), Satellite of KTVB-TV in Boise, Idaho, at Le Grande, Ore.)
KPIC-TV (Ch 4) (Satellite of KVAL-TV in Eugene at Roseburg)

**PENNSYLVANIA**
WFBG-TV (Ch 10), 5000 Sixth Ave, Altoona 16602; John Stilli, Gen. Mgr.
WNEP-TV (Ch 16), Wilkes Barre-Scranton Airport, Avoca 18641; Thomas P. Shelburne, Gen Mgr.
WICU-TV (Ch 12), 3514 State St, Erie; Art Ingram, Gen. Mgr.
WSEE-TV (Ch 35), 1220 Peach St, Erie 16501; Edward Zellefrow, Gen. Mgr.
WJET-TV (Ch 24), 1635 Ash St, Erie 16503; Myron Jones, Pres.
WHP-TV (Ch 21), 216 Locust St, Harrisburg 17101; Cecil M. Sansbury, Exec. V.P. & Gen. Mgr.
WTPA-TV (Ch 27), 3235 Hoffman St, Harrisburg 17110; Paul S. Abbott, Gen. Mgr.
WIBF-TV (Ch 29), Box 8828, Jenkintown (Philadelphia area) 19117; William Fox, Pres.
WJAC-TV (Ch 6), Box 599, Johnstown 15907; Alvin D. Schrott, Exec. V.P. & Gen. Mgr.
WARD-TV (Ch 56), 301 Franklin St, Johnstown 15901; William D. Confer, Gen. Mgr.
WGAL-TV (Ch 8), 8 West King St, Lancaster 17603; Clair McCollough, Pres. & Gen. Mgr.
WLYH-TV (Ch 15), Television Hill, Lebanon 17402; Jayson Sondheim, Gen. Mgr.
KYW-TV (Ch 3), 1619 Walnut St, Philadelphia 19103; Kenneth McDonald, Gen Mgr.
WCAU-TV (Ch 10), City & Monument Ave, Philadelphia 19131; Bruce S. Bryant, V.P. & Gen. Mgr.
WFIL-TV (Ch 6), 4100 City Line Ave, Philadelphia 19131; Roger Clipp, V.P. & Gen. Mgr.
WKBS-TV (Ch 48), 3201 South 26th St, Philadelphia 19145; Richard K. Jolliffe, Gen. Mgr.
WPHL-TV (Ch 17), 230 South 15th St, Philadelphia 19102; Larry Cooper, St. Mgr.

# U.S.A.

KDKA-TV (Ch 2), 1 Gateway Center, Pittsburg 15222; Paul G. O'Friel, Gen. Mgr.
WIIC-TV (Ch 11), 341 Rising Main St, Pittsburgh 15214; Robert A. Mortensen, Exec. V.P. & Gen. Mgr.
WTAE-TV (Ch 4), 400 Ardmore Blvd, Pittsburgh 15218; Franklin Snyder, V.P. & Gen. Mgr.
WDAU-TV (Ch 22), 1000 Wyoming, Scranton 18509; Mrs. M. M. Holcomb, Gen. Mgr.
WBRE-TV (Ch 28), 62 So. Franklin St, Wilkes Barre 18701; David Baltimore, V.P. & Gen. Mgr.
WSBA-TV (Ch 43), Box 1868, York 17405; Robert M. Stough, St. Mgr.

**RHODE ISLAND**
WJAR-TV (Ch 10), 176 Weybosset St, Providence 02903; J. S. Sinclair, Pres. & Gen. Mgr.
WPRO-TV (Ch 12), 24 Mason St, Providence 02903; Peter C. Newell, V.P. & Gen. Mgr.

**SOUTH CAROLINA**
WAIM-TV (Ch 40), 321 Kingsley Rd, Anderson 29623; Glenn Warnock, Gen. Mgr.
WCSC-TV (Ch 5), 485 East Bay, Charleston 29403; John M. Rivers, Pres. & Gen. Mgr.
WUSN-TV (Ch 2), Box 879, Charleston 29402; Douglas M. Bradham, V.P. & Gen. Mgr.
WIS-TV (Ch 10), 1111 Bull St, Columbia 29201; Carter Hardwick Jr, V.P. & Gen. Mgr.
WNOK-TV (Ch 19), Box 5307, Columbia 29205; H. Moody McElveen Jr, Exec. V.P.
WOLO-TV (Ch 25), Box 4217, Columbia 29204; Henry Hughes, St. Mgr.
WBTW-TV (Ch 13), Box 630, Florence 29501; J. William Quinn, Man. Dir.
WFBC-TV (Ch 4), Box 788, Greenville 26902; Wilson Wearn, Exec. V.P. & Gen. Mgr.
WLOS-TV (Ch 13), Box 2363, Greenville 29602; Morton S. Cohn, V.P. & Gen. Mgr.
WCIV-TV (Ch 4), Highway 703, Mount Pleasant 29464; William Lucas, V.P. & Gen. Mgr.
WRDW-TV (Ch 12), Georgia & Observatory Ave, N. Augusta 29841; Virgil B. Wolff, V.P. & Gen. Mgr.
WSPA-TV (Ch 7), 123 N. Converse St, Spartanburg 29302; Charles Sanders, V.P. & Gen. Mgr.

**SOUTH DAKOTA**
KORN-TV (Ch 5), P.O. Box 908, Mitchell 57301; R. V. Eppel, Pres. & Gen. Mgr.
KOTA-TV (Ch 3), Box 1752, Rapid City 57702; Miss Helen S. Duhamel, Pres. & Gen. Mgr.
KRSD-TV (Ch 7), 1438 Mountain View Rd, Rapid City 57704; Eli Daniels, Pres. & Gen. Mgr.
KELO-TV (Ch 11), Phillips at 13th St, Sioux Falls 57102; Evans Nord, Exec. V.P. & Gen. Mgr.
KSOO-TV (Ch 13), 205 No. Phillips Ave, Sioux Falls 57102; Morton Henkin, Pres. & Gen. Mgr.
KXAB-TV (Ch 9), Box 118, Aberdeen 57401; Frank M. Lokey Jr, St. Mgr.
KDSJ-TV (Ch 5) (Satellite of KRSK-TV in Rapid City at Deadwood)
KDLO-TV (Ch 3) (Satellite of KELO-TV in Sioux Falls at Watertown)
KHSD-TV (Ch 11) (Satellite of KOTA-TV in Rapid City at Lead)
KPLO-TV (Ch 6) (Satellite of KELO-TV in Sioux Falls at Reliance)

**TENNESSEE**
WCYB-TV (Ch 5), P.O. Box 603, Bristol 37621; R. H. Smith, Pres. & Gen. Mgr.
WDEF-TV (Ch 12), Broadcast Center, Chattanooga 37402; Ken Flenniken, Exec. V.P. & Gen. Mgr.
WRCB-TV (Ch 3), 1214 McCallie Ave, Chattanooga 37404; H. D. Burke, V.P. & Gen. Mgr.
WTVC-TV (Ch 9), Box 1150, Chattanooga 37401; R. R. Owen, V.P. & Gen. Mgr.
WBBJ-TV (Ch 7), Williams Bldg, Jackson 38302; Gerry Quick, Gen. Mgr.
WJHL-TV (Ch 11), 137-145 West Main St, Johnson City 37602; W. Hanes Lancaster Jr, Exec. V.P. & Gen. Mgr.
WATE-TV (Ch 6), 1306 Broadway N.E., Knoxville 37917; John McCloud, Gen. Mgr.
WBIR-TV (Ch 10), 1513 Hutchinson Ave, Knoxville 37917; John Hart, Gen. Mgr.
WTVK-TV (Ch 26), Box 1388, Knoxville 37901; J. A. Engelbrecht, Pres. & Gen. Mgr.
WHBQ-TV (Ch 13), 485 S. Highland, Memphis 38111; D. A. Noel, V.P. & Gen. Mgr.
WMC-TV (Ch 5), 1960 Union Ave, Memphis 38104; Morris Greiner Jr, Gen Mgr.
WREC-TV (Ch 3), Hotel Peabody Bldg, Memphis 38101; Charles B. Brakefield, Pres. & Gen. Mgr.
WLAC-TV (Ch 5), 159 Fourth Ave, N. Nashville 37210; T. B. Baker, Jr, Exec. V.P. & Gen. Mgr.
WSIX-TV (Ch 8), 441 Murfreesboro Rd, Nashville 37210; A. D. Faust, V. P. & Gen. Mgr.
WSM-TV (Ch 4), 5700 Knob Rd, Nashville 37209; Irving Waugh, V.P. & Gen. Mgr.

**TEXAS**
KTXS-TV (Ch 12), Box 2997, Abilene 79604; Walter M. Windsor, Exec. V.P. & Gen. Mgr.
KRBC-TV (Ch 9), 4150 S. 14th St, Abilene 79602; Dale Ackers, Pres. & Gen. Mgr.
KFDA-TV (Ch 10), Cherry Ave at Broadway, Amarillo 79108; Bill Cook, V.P. & Gen. Mgr.
KGNC-TV (Ch 4), 2000 N. Polk St, Amarillo 79107; Bob Watson, Gen. Mgr.
KVII-TV (Ch 7), Box 925, Amarillo 79105; Charlie Keys, Gen. Mgr.
KHFI-TV (Ch 42), 908 West 19th St, Austin 78701; Dan Love, Gen. Mgr.
KTBC-TV (Ch 7), Box 1209, Austin 78767; J. C. Kellam, Pres. & Gen. Mgr.
KBMT-TV (Ch 12), 1420 Calder Ave, Beaumont 77701; R. C. Currie, Jr, V.P. & Gen. Mgr.
KFDM-TV (Ch 6), Box 5566, Beaumont 77706; M. M. Johnson, Gen. Mgr.
KJAC-TV (Ch 4), Box 3257, Port Arthur 77642; Roy Shotts, V.P. & Gen. Mgr.
KWAB-TV (Ch 40), 2500 Kentucky Way, Big Spring 79720; Walter W. Windsor, Exec. V.P. & Gen. Mgr.
KIII-TV (Ch 3), 4750 Lexington Blvd, Corpus Christi 78411; M. D. McKinnon, Gen. Mgr.
KZTV-TV (Ch 10), Show Room Bldg, Corpus Christi 78403; Vann M. Kennedy, Pres. & Gen. Mgr.
KRIS-TV (Ch 6), 409 S. Staples St, Corpus Christi 78401; T. Frank Smith, Pres. & Gen. Mgr.
KRLD-TV (Ch 4), Herald Square, Dallas 75202; Ves Box, V.P. & Gen, Mgr.
WFAA-TV (Ch 8), Communications Center, Dallas 75202; Mike Shapiro, Gen. Mgr.
KELP-TV (Ch 13), Box 9924, El Paso 79989; Gene Roth, Gen. Mgr.
KROD-TV (Ch 4), Box 1799, El Paso 79949; Sheldon Turner, Gen. Mgr.
KTSM-TV (Ch 9), 801 No. Oregon St, El Paso 79902; K. O. Wyler Jr, Pres. & Gen. Mgr.
WRAP-TV (Ch 5), 3900 Barnett St, Fort Worth 76103; Roy Bacus, Gen. Mgr.
KTVT-TV (Ch 11), Box 2495, Fort Worth 76107; James Terrell, St. Mgr.
KGBT-TV (Ch 4), 1519 West Harrison St, Harlingen 78550; McHenry T. Tichenor, Pres.
KPRC-TV (Ch 2), 3014 S. Post Oak Rd, Houston 77027; Jack Harris, Pres. & Gen. Mgr.
KTRK-TV (Ch 13), 3310 Bissonet, Houston 77005; W. E. Walbridge, Exec. V.P. & Gen. Mgr.
KHOU-TV (Ch 11), Box 11, Houston 77001; J. C. Richdale Jr, V.P. & Gen. Mgr.
KGNS-TV (Ch 8), Convent & Houston Sts, Laredo 78040; Pat Miller, Gen. Mgr.
KCBD-TV (Ch 11), 5600 Avenue A, Lubbock 79404; Joseph H. Bryant, Pres.
KLBK-TV (Ch 13), Box 1559, Lubbock 79408; W. M. Windsor, Exec. V.P. & Gen. Mgr.
KTRE-TV (Ch 9), Box 729, Lufkin 75901; Fred C. Hill, Pres. & Gen. Mgr.
KMID-TV (Ch 2), Midland 79705; Ray Herndon, Gen. Mgr.
KVKM-TV (Ch 9), Drawer K, Monahans 79756; J. Ross Rucker, Gen. Mgr.
KOSA-TV (Ch 7), 1211 N. Whitaker, Odessa 79761; John Vacca, V.P. & Gen. Mgr.
KCTV-TV (Ch 8), 1011 East 28th St, San Angelo 78205; Hal Atkins Jr, Gen. Mgr.
KENS-TV (Ch 5), Ave. E & Fourth St, San Antonio 78205; Wayne Kearl, Gen. Mgr.
KONO-TV (Ch 12), 1408 N. St. Mary's St, San Antonio 78215; James Brown, V.P. & Gen. Mgr.
WOAI-TV (Ch 4), 1031 Navarro St, San Antonio 78205; E. V. Cheviot, V.P. & Gen. Mgr.
KCEN-TV (Ch 6), 17 Third St, Temple 76501; Robert Lunquist; Gen. Mgr.
KLTV-TV (Ch 7), Box 957, Tyler 75705; Marshall H. Pengra, Exec. V.P. & Gen. Mgr.
KWTV-TV (Ch 10), Waco 76710; M. N. Bostick, Pres. & Gen. Mgr.
KRVG-TV (Ch 5), 309 S. Missouri St, Weslaco 78596; Charles L. Brooks, Gen. Mgr.

KAUZ-TV (Ch 6), Seymour St, Wichita Falls 76309; William E. Hobbs, Pres. & Gen. Mgr.
KFDX-TV (Ch 3), Box 2040, Wichita Falls 76307; Darrold Cannan, Pres.
KBTX-TV (Ch 3) (Affiliate of KWTX-TV in Waco at Bryan)
KHTV-TV (Ch 39), 7700 Westpark Dr, Houston 77042; Crawford Rice, Mgr.
KACB-TV (Ch 3) (Satellite of KRBC-TV in Abilene at San Angelo)
KWEX-TV (Ch 41), 111 Martinez St, San Antonio; Emilio Nicolas, Gen. Mgr.

**UTAH**
KCPX-TV (Ch 4), 130 Social Hall Ave, Salt Lake City 84111; Harold Wooley, Gen. Mgr.
KSL-TV (Ch 5), 145 Social Hall Ave, Salt Lake City 84111; L. H. Curtis, V.P. & Gen. Mgr.
KUTV-TV (Ch 2), 179 Social Hall Ave, Salt Lake City 84111; Robert Temple, St. Mgr.

**VERMONT**
WCAX-TV (Ch 3), 100 Market Square, Burlington 05451; Stuart Martin, Pres. & Gen. Mgr.

**VIRGINIA**
WSVA-TV (Ch 3), Rawley Pike, Harrisonburg 22801; J. Harry Abbott, Gen. Mgr.
WLVA-TV (Ch 13), 2320 Langhorne Rd, Lynchburg 24501; Thomas N. Waller, St. Mgr.
WTAR-TV (Ch 3), 720 Boush St, Norfolk 23510; Robert M. Lambe, Pres. & Gen. Mgr.
WVEC-TV (Ch 13), 110 Third St, Norfolk 23510; Thomas Chisman, Pres. & Gen. Mgr.
WAVY-TV (Ch 10), 101 Middle St, Portsmouth 23704; J. Glen Taylor, Pres. & Gen. Mgr.
WRVA-TV (Ch 12), 5710 Midlothian Pike, Richmond 23225; Barron Howard, V.P. & Gen. Mgr.
WTVR-TV (Ch 6), Box 11064, Richmond; Ed Frech, Gen. Mgr.
WXEX-TV (Ch 8), Box 8765, Richmond 23226; Thomas G. Tinsley Jr, Pres.
WDBJ-TV (Ch 7), Box 227, Roanoke 24002; John W. Harkrader, V.P. & Mgr.
WSLS-TV (Ch 10), Box 2161, Roanoke 24009; Horace Fitzpatrick, V.P. & Mgr.
WRFT-TV (Ch 27), Little Brushy Mt, Roanoke; Frank Tirico, Pres. & Gen. Mgr.

**WASHINGTON**
KVOS-TV (Ch 12), 1151 Ellis St, Bellingham 98225; Dave Mintz, Pres.
KING-TV (Ch 5), 320 Aurora Ave, Seattle 98109; Otto P. Brandt, Exec. V.P.
KIRO-TV (Ch 7), 1530 Queen Anne Ave. North, Seattle 98109; Lloyd E. Cooney, Exec. V.P. & Gen. Mgr.
KOMO-TV (Ch 4), 100 Fourth Ave. North, Seattle 98109; W. W. Warren, Pres. & Gen. Mgr.
KHQ-TV (Ch 6), 4202 So. Regal, Spokane 99203; R. O. Dunning, Pres. & Gen. Mgr.
KREM-TV (Ch 2), 4103 So. Regal, Spokane 99203; Alexander Hunter, St. Mgr.
KTNT-TV (Ch 11), S. 11th and Grant Sts, Tacoma 98405; Max H. Bice, Gen. Mgr.
KTVW-TV (Ch 13), 5544 No. 35th St, Tacoma 98407; James Agostino, Gen. Mgr.
KIMA-TV (Ch 29), Radio and TV Center, Yakima 98901; John H. Reber, V.P. & Gen. Mgr.
KNDO-TV (Ch 23), 23 S. First St, Yakima 98901; Hugh Davis, Pres.
KEPR-TV (Ch 19) (Associated with KIMA-TV in Yakima at Pasco) Studio at 2807 W. Lewis, Pasco 99301; Dick Edwards, Mgr.
KNDU-TV (Ch 25) (Associated with KNDO-TV in Yakima at Pasco) 919 W. Court St, Pasco 99301; Bruce A. Glenn, Resident Mgr.
KXLY-TV (Ch 4), 500 W. Boone Ave, Spokane 99201; Wayne McNulty, Gen. Mgr. (KXLY-TV also has programs repeated by satellite stations CKFB-TV in Balfour, CHMS-TV No. 1 in Crescent Valley, CHMS-TV No. 2 in Passmore, and CHMS-TV No. 3 in Perrys, all located in Canada)

**WEST VIRGINIA**
WHIS-TV (Ch 6), Municipal Bldg, Bluefield 24701; John C, Shott, Gen. Mgr.
WCHS-TV (Ch 8), 1111 Virginia St. East, Charleston 25301; Philip D. Marella, Gen. Mgr.
WBOY-TV (Ch 12), 912 West Pike St, Clarksburg 26301; N. W. Levin, Pres.
WDTV-TV (Ch 5), 400 Quincy St, Fairmont 26554; Tom R. Stillwagon, V.P. & Gen. Mgr.
WHTN-TV (Ch 13), 625 Fourth Ave, Huntingdon 25701; O. W. Myers, Exec. V.P. & Gen. Mgr.
WSAZ-TV (Ch 3), Box 2215, Huntingdon 25721; **Jack W. Lee,** V.P. & Gen. Mgr.
WOAY-TV (Ch 4), Highway 21 South, Oak Hill 25901; R. R. Thomas Jr, Pres. & Gen. Mgr.
WTAP-TV (Ch 15), 121 West Seventh St, Parkersburg 26101; Ron Maines, Gen. Mgr.
WTRF-TV (Ch 7), 1329 Market St, Wheeling 26003; Robert Ferguson, Exec. V.P. & Gen. Mgr.

**WISCONSIN**
WEAU-TV (Ch 13), 1907 S. Hastings Way, Eau Claire 54701; Leo Howard, Gen. Mgr.
WFRV-TV (Ch 5), 1181 East Mason St, Green Bay 54301; Robert Southard, V.P. & Gen. Mgr.
WBAY-TV (Ch 2), 115 S. Jefferson, Green Bay 54301; Bob Nelson, Gen. Mgr.
WLUK-TV (Ch 11), Box 711, Green Bay 54305; James Tomlin, Gen. Mgr.
WKBT-V (Ch 8), 141 S. Sixth St, La Crosse 54601; Howard Dahl, Gen. Mgr.
WMTV-TV (Ch 15), 4269, Madison 53711; Thomas E. Bolger, Gen. Mgr.
WICS-TV (Ch 3), 4801 West Beltline Highway, Madison 53711; Ralph O'Connor, Gen. Mgr.
WKOW-TV (Ch 27), 5727 Tokay Blvd, Madison 53711; Tony Moe, Exec. V.P. & Gen. Mgr.
WISN-TV (Ch 12), 759 N. 19th St, Milwaukee 53233; James T. Butler, V.P. & Gen. Mgr.
WITI-TV (Ch 6), 5445 N. 27th St, Milwaukee 53209; Roger LeGrand, V.P. & Gen. Mgr.
WTMJ-TV (Ch 4), 720 East Capitol Dr, Milwaukee 53212; George Comte, V.P. & Gen. Mgr.
WVTV-TV (Ch 18), Schroeder Hotel, Milwaukee 53203; John Haberlan, St. Mgr.
WAOW-TV (Ch 9), Box 1007, Wausau 54401; Robert Johnson, Gen. Mgr.
WSAU-TV (Ch 7), 714 Fifth St, Wausau 54401; Richard D. Dudley, Pres. & Gen. Mgr.
WAEO-TV (Ch 12), County Hwy. C at Starks Rhinelander; Alvin E. O'Konski, Pres. & Mgr.

**WYOMING**
KTWO-TV (Ch 2), 4200 East Second St, Casper 82601; Jack Rosenthal, V.P. & Gen. Mgr.
KFBC-TV (Ch 5), 2923 East Lincolnway, Cheyenne 82001; William C. Grove, Exec. V.P. & Gen. Mgr.
KWRB-TV (Ch 10), 500 Broadway, Thermopolis 83443; Joseph Ernst, Gen. Mgr.

**AMERICAN BROADCASTING COMPANIES INC.**
**Addr:** 1330 Avenue of the Americas, New York, New York 10019.
**L.P.:** Pres: Leonard H. Goldenson. Exec. Vice Pres: Simon B. Siegel. Vice Pres. Press Information: Ellis Moore. Vice Pres. & Asst. to Exec. Vice Pres: Alfred Schneider. ABC Group Vice Pres. for radio: Ralph Beaudin. **L.P:** for ABC Television Network: Pres: Thomas W. Moore. Vice Pres. in charge of Public Relations & Planning: Edward Bleier. Vice Pres. Programming: Leonard Goldberg. Vice Pres, in charge of broadcast operations and engineering; Julius Barnathan. **L.P:** for ABC International Television, Inc: Pres: Donald Coyle.
Owned and operated stations: WABC-TV New York; WBKB, Chicago; WXYZ-TV, Detroit; KABC-TV Los Angeles; KGO-TV, San Francisco.

**COLUMBIA BROADCASTING SYSTEM, INC.**
**Addr:** 51 West 52nd Street, New York 10019.
**L.P:** Chairman of Board: William S. Paley. Pres: Frank Stanton. John A. Schneider, Group V.P. **L.P:** CBS Television Network Executives: Pres: Thomas H. Dawson. Sen. Vice Pres. Prgrs: Michael H. Dann. Vice Pres. Information. Sces: John P. Cowden. Vice Pres. Publicity Inf: Charles Steinberg. Vice Pres. Operations & Engineering: Edward L. Saxe. Vice Pres, Gen. Sales Mgr: Carl Tillmanns. **L.P:** for CBS Television Stations Division: Pres: Merle Jones. Exec. Vice Pres, International Operations: Frank J. Shakespeare. **L.P:** for CBS Films, Inc: Admin. Vice Pres: Sam Cook Digges. Vice Pres. International Sales: Ralph M. Baruch.
Owned and operated stations: WCBS-TV, New York; WBRM-TV, Chicago; KNXT, Los Angeles; WCAU-TV, Philadelphia; KMOX-TV, St. Louis.

**NATIONAL BROADCASTING COMPANY**
**Addr:** 30 Rockefeller Plaza, New York, New York 10020.
**L.P:** Chairman of Board: Walter Scott. Pres: Julian Goodman. Sr. Exec. Vice Pres: David C. Adams. Vice Pres. Corporate Information: Robert Kasmire. **L.P:** NBC Television Network: Pres: Donald Durgin. Vice Pres. Program: Mort Werner. **L.P:** for NBC Enterprises Division: Pres: George A. Graham, Jr. Dir: Gerald Adler.

## U.S.A. — Jamaica

Owned and operated stations: WNBC-TV, New York; WRC-TV, Washington; WMAQ-TV, Chicago; WKYC-TV, Cleveland; KNBC-TV, Los Angeles.
**TV sets:** 75.100.000.

**THE ARMED FORCES RADIO & TELEVISION SERVICE**
A: Army, AF: Air Force, N: Navy.

| Areas | ChA | Watts /kW | Areas | ChA | Watts /kW |
|---|---|---|---|---|---|
| Adak[1] | N 8 | 120 | Chitose[8] | AF 73 | 1kW |
| Galena[1] | AF 8 | 130 | Misawa[8] | AF 73 | 600 |
| Fo. Greely[1] | A 8 | 180 | Pusan[9] | A 2 | 120 |
| King Salmon[1] | AF 8 | 100 | Seoul[9] | A 2 | 5kW |
| Kodiak[1] | N 8 | 200 | +6 relay st's. | | |
| Northeast Cape[1] | AF 11 | 50 | Clark AB[10] | AF 8 | 80 |
| Goose Bay[2] | AF 8 | 346 | Okinawa[11] | AF 8 | 45kW |
| Fo. Clayton[3] | A 8 | 250 | Asmara[12] | A 8 | 250 |
| Fo Davis[3] | A 10 | 250 | Teheran[13] | A 8 | 500 |
| Guantanamo[4] | N 8 | 1kW | Tripoli[14] | AF 8 | 500 |
| Aguadilla[5] | AF 21 | 100 | Lajes Field[15] | AF 8 | 180 |
| Roosevelt Roads[5] | N 8 | 10 | Sondrestrom[16] | AF 8 | 180 |
| Iraklion[6] | AF 8 | 300 | Thule[16] | AF 8 | 100 |
| Berlin[7] | A 25 | 100 | Keflavik[17] | N 8 | 250 |
| Ramstein[7] | AF 26 | 3kW | Johnston Isl.[18] | AF 7 | 200 |
| Spangdahlem[7] | AF 22 | 8kW | Midway Isl.[19] | N 11 | 120 |
| | | | Saigon[19] | A 11 | 2kW |

[1]Alaska; [2]Labrador; [3]Canal Zone; [4]Cuba; [5]Puerto Rico; [6]Greece; [7]Germany; [8]Japan; [9]Korea; [10]Philippines; [11]Okinawa; [12]Eritrea; [13]Iran; [14]Libya; [15]Azores; [16]Greenland; [17]Iceland; [18]Pacific; [19]Vietnam.

# CENTRAL AMERICA

### BARBADOS

**CARIBBEAN BROADCASTING CORP. (Gov, Comm.)**
**Addr:** P.O. Box 780, Barbados. **Te:** 92041. **Cable:** Cabroco. **L.P:** Gen. Mgr: A. N. Forde. Dir. Tec: G. S. Shaw. Asst. Dir. Prgr: J. A. Cumming. **Station:** CBC-TV chA3 60/30kW. **D.Prgr:** 21.30-02.30. **TV sets:** 9.100.

### COSTA RICA

**TELEVISORA DE COSTA RICA (Comm.)**
**Addr:** Apt. 3876, San José. **Te:** 222233. **Cable:** Television. **L.P:** Dir. Gen: H. Federspiel. Dir. Tec: R. Carrillo Lara. **Station:** TI-TVCR chA7 50/25kW. **Rel. St's:** Villa Mills chA11 3.5/1.75 kW, Palmira chA12 5.4/2.7kW, Turrialba Volcano chA7 1.5/0.75kW, Golfito chA5 1.2/0.6kW. **D.Prgr:** 17.30-05.00.

**R. TELEVISION TIC-TAC (Comm.)**
**Addr:** Apt. 4666, San José. **Te:** 223334. **Cable:** Tictac. **L.P:** Gen. Mgr: A. Vargas V. St. Mgr: C. Reyes A. **Station:** San José chA4 75/37.5kW H. **D.Prgr:** 21.00-05.00.

**CORP. COSTARRICENSE DE TELEVISION (Comm.)**
**Addr:** P.O. Box 2860, San José. **Te:** 3789. **L.P:** Pres. & Film Buyer: M. Sotela P. Gen. Mgr: J. J. Ortiz. Dir. Tec: A. Mora. **Station:** chA6 12/6kW. **D.Prgr:** 18.00-04.00.

**TELESISTEMA NACIONAL S.R.L.**
**Addr:** Apt. 231, Alajuela City. **Cable:** Telenac. **Stations:** chA2 60/30kW H (repeater chA8 6/3kW). **D.Prgr:** 00.00-04.00.
**TV sets:** 66.000.

### CUBA

**TELEVISION STATIONS.** Pol: H. **Call:** CM - -.

| Call | ch | kW | Location |
|---|---|---|---|
| KU-TV | 2 | 14/7 | Santiago |
| JA-TV | 2 | 16/8 | C. de Avila |
| KJ-TV | 3 | 28/14 | Holguín |
| BF-TV | 4 | 124/62 | La Habana |
| J-TV | 4 | 56/28 | Camagney |
| HQ-TV | 5 | 25.4/12.7 | Sta. Clara |
| LB-TV | 5 | 16/8 | Santiago |
| JL-TV | 6 | 56/28 | Camaguey |
| Q-TV | 6 | 124/62 | La Habana |
| FD-TV | 7 | 18.8/19.4 | C. de Avila |
| AB-TV | 7 | 58/29 | S. Cristóbal |
| KB-TV | 7 | 30/5 | Baracoa |
| LD-TV | 8 | 10/5 | Holguín |
| RA-TV | 8 | 24/4 | Sta. Clara |
| GQ-TV | 9 | 29.3/14.17 | Matanzas |
| GH-TV | 11 | 42/7 | Matanzas |
| AL-TV | 12 | 61/30.5 | P. del Rio |
| G-TV | 13 | 30/15 | Matanzas |
| KG-TV | 13 | 24/4 | Guantánamo |

**Television Nacional: Addr:** Radiocentro, Habana.
**D.Prgr:** W 16.30-05.00.

### DOMINICAN REPUBLIC

**RADIO TELEVISION DOMINICA (Educational Comm.)**
**Addr:** Av. San Martin and Dr. T. Florentino 8, Sto. Domingo. **Te:** 9-2120. **L.P:** Dir. Gen: R. L. Perello. Dir. Tec: L. Moscoso E. Film Buyer: P. Payano U. **Stations:** chA4 5/1kW H; Relays: chA2 (Sto. Cerro) 5/1kW H, chA9 (La Cumbre) 0.5/0.1kW. **D.Prgr:** 18.00-03.30.

**RAHINTEL TELEVISION (Comm.)**
**Addr:** Centro de los Heroes de Constanza, Sto. Domingo. **Te:** 3-1031. **Cable:** Rahin. **L.P:** Gen. Mgr: P. P. Bonilla. Dir. Tec: J. Salazar.
**Stations:** chA7 (Sto. Domingo) 1/0.5kW H, chA11 (Sto. Cerro.). **D.Prgr:** 17.00-19.30, 22.00-04.00.

**Projected St's:** HIZ-TV, Sto. Domingo (chA10), R.HIN-TV, Santiago (chA11), Editora del Caribe (chA2 Sto.Domingo, chA13-Santiago). **TV-sets:** 85.000.

### EL SALVADOR

**CANAL DOS S.A. (Comm.)**
**Addr:** Apartado Postal 720, San Salvador. **Te:** 23-6744. **Cable:** Teledos. **L.P:** Gen. Mgr. & Film Buyer: B. Eserski. Dir. Tec: O. Tario. **Station:** YSR-TV chA2 100/20kW. **D.Prgr:** 17.30-20.00, 23.00-06.00.

**CANAL 4 (Comm.)**
**Addr:** Apartado Postal 1375, Salvador. **Te:** 23-1740. **L.P:** Gen. Mgr. & Film Buyer: B. Eserski. Mgr: R. Imberton. Dir. Tec: R. H. Rahn. **Stations:** YSU-TV chA4 75/37kW. **D.Prgr:** 18.00-19.30, 23.00-05.00. **TV sets: 45.000.**

### GUADELOUPE

**OFFICE DE RADIODIFF. TELEVISION FRANCAISE**
**Addr:** Basse Terre. **L.P:** see radio. **Station** (System K' 625 lines): Pointe à Pitre chK'8 0.05kW H, Basse Terre chK'5 6W H. **D.Prgr:** 21.00-22.00. **TV sets:** 2.750. — **ALF:** 100 Frcs.

### GUATEMALA

**RADIO-TELEVISION GUATEMALA S.A. (Comm.) Addr:** Apt. 1367, Guatemala. **Te:** 42492. **Cable:** Teletenango. **L.P:** Gen. Mgr. & Film Buyer: W. G. Campbell. Dir. Tec: F. Licht. **Station:** TGBOL-TV chA3 5/2.5kW H. **D.Prgr:** 18.00-06.00.

**TELEVICENTRO Comm.) Addr:** Aportado Postal 1242, Guatemala. **Te:** 65646. **Cable:** TVsiete. **L.P:** Dir. Gen. & Film Buyer: V. G. Chávez G. Dir. Tec: M. Mazariegos. **Stations:** TGTV chA7 5/2.5kW H — **D.Prgr:** 20.00-04.00.

**TELE ONCE (Comm.) Addr:** Ca. 20, 5-02, 210, Guatemala. **L.P:** Dir: A. Mourra. **Station:** TGMO-TV chA11 10/5kW. **D.Prgr:** 00.00-04.00 — **TV sets:** 61.000.

### HAITI

**TELE-HAITI (Comm.) Addr:** P.O. Box 1126, Port-au-Prince. **Te:** 2278. **Cable:** Telehaiti. **L.P:** Dir. Gen: A. S. Apaid. Dir. Tec: E. C. Gentil. **Station:** 4VMR-TV chA5 2.5/0.6kW H. **D.Prgr:** W 17.00-02.30, Sun 17.00-23.00 — **TV sets:** 8.000.

### HONDURAS (Rep.)

**COMPANIA TELEVISORA HONDURENA S.A. (Comm.)**
**Addr:** Apt. Postal 734, Tegucigalpa. **Te:** 2-5514. **Cable:** Television. **L.P:** Dir. Gen: J. R. Ferrari. Dir. Tec: M. Villeda T. **Station:** HRTG-TV chA5 4/2kW V. **Rel St's:** HRSU-TV chA9 20kW (El Socorro), HRYA-TV chA13 7kW (San Pedro Sula). **D.Prgr:** 17.00-20.00, 23.00-05.00 — **TV sets:** 20.000.

### JAMAICA

**JAMAICA BROADCASTING CORPORATION (Comm.)**
**Addr:** 5 South Odeon Ave, Kingston. **L.P:** see radio. **Stations:** Kingston chA11 .28/0.14kW H. **Relay st's** (Pol: H): Coopers Hill chA 7 20.5/10.25kW, Port Antonio chA8 0.16/0.8kW, Montego Bay chA11 1/0.5kW, Oracabessa chA12 1/0.5kW, Spur-Tree chA13 23/11.5kW, Yallahs chA9 1/0.5kW, Morant Point chA13 1/5W — **D.Prgr:** W 22.30-03.00, Sun 21.00-03.00. **TV sets:** 40.500.

## LEEWARD ISLANDS

**LEEWARD ISLAND TELEVISION SERVICES LTD.**
**(Comm, Gov. Participation)**
**Addr:** Belmont Hill, P.O. Box 159, St. John's, Antigua. **L.P:** Dir. Gen: W. Staskow. St. Mgr: C. Moore. Dir. Tec: S. James. **Stations:** ZAL chA10 22kW H. Relay st: chA7 0.1kW H. **D.Prgr:** 22.30-02.00. Tests: 21.30-22.30 — **TV sets:** 2.500.

## MARTINIQUE

**OFFICE DE RADIODIFF TELEVISION FRANCAISE**
**Addr:** Fort de France. **L.P:** see radio. **Station** (System K¹ 625 lines): Fort de France chK'4 0.05kW, La Trinité chK'6 0.05kW. **D.Prgr:** 23.00-02.00 — **TV sets:** 5.000.

## MEXICO

*=affiliated to Telesistema Mexicano — All st's comm. exc. XEIP.

**INSTITUTO POLITECNICO NACIONAL (Cult): Addr:** Casco de Sante Tomas, México DC. **Station:** XEIP-TV chA11 5kW.

**TELEVISION DE LA FRONTERA S.A. Addr:** Vicente Guerrero 704, Ci Juarez, Chi. **Station:** XEJ-TV chA5 3.65/1.82kW H.

* **TELEVISORA MEXICALI S.A. Addr:** P.O. Box 1356, Mexicali, B.C. **Te:** 2-28-55. **L.P:** Dir. Gen: R. Sánchez de Aparicio. Dir. Tec: E. Bezies. **Station:** XHBC-TV chA3 30/15kW H. **D.Prgr:** 23.30-08.30.

**TELESISTEMA MEXICANO S.A. Addr:** Edif. Televicentro, Av. Chapultepec 18, México, D.F. **Te:** 18-50-20. **L.P:** Pres. & Dir. Gen: E. Azcarraga V. Exec. Vice Pres: R. O. Farrill sen. Dir. of Adm: A. R. Cabrere. Dir. Tec: A. Chaveste. Dir. of Prgr's: L. de Llano.
**Stations:** 1) **Cadena Canal 2:** XEW-TV chA2 (DF) 100kW H, XEQ-TV chA9 (Paso de Cortes) 325 kW H, XEZ-TV chA3 (El Zamorano) 100kW, XEWO-TV chA13 (Aguascalientes) 150kW, XHAH-TV chA8 (Las Lajas) — 2) **Cadena Canal 4:** XH-TV chA4 (DF) 100kW H, XEX-TV chA7 (Paso de Cortes) 325kW, XHZ-TV chA6 (El Zamorano) 100kW, XHAI-TV chA10 (Las Lajas) — 3) **Cadena Canal 5:** XHGC-TV chA5 (DF) 100kW H, XHAJ-TV chA6 (Las Lajas) — **D.Prgr's:** for all st's: 24h.

**TELEVISION INDEPENDIENTE DE MEXICO S.A. Addr:** P.O. 1833, Monterrey, N.L. **L.P:** Dir. Gen: A. Flores Ysita. Dir. Tec: R. Rueda. Dir. Prgr: J. Alvarino. Film Buyer: A. Roque. **Stations:** Monterrey chA6 80/40kW H, Puebla chA3 6/1.5kW H. Vera Cruz chA2 12.5/3.1kW H. **D.Prgr:** A6: 18.00-06.00; A2: 21.30-04.30; A3: 23.00-05.30.

**TELEVISION DE MICHOACAN S.A.** Addr: Lejarza 90, Morelia, Mich. **L.P:** Dir. Gen: J. Martinez. **Station:** XEKW-TV chA10 6kW. **D.Prgr:** 22.00-06.00.

**RADIO TELEVISION S.A Addr:** Apt. Postal 121, Tijuana, B.C. **L.P:** Dir. Gen: F. Fernandez. Dir. Tec: Ing. A. Frias Remirez. **Stations:** XE-TV chA6 100/50kW H. **D.Prgr:** 15.00-07.00 (incl. color tv).

* **TELEVICENTRO DE MONTERREY. Addr:** Espinosa 780 Pte. Monterrey, N.L. **Te:** 3-62-75. **Stations:** XEFB-TV chA3 5/2.5kW H. **D.Prgr:** 18.00-06.00. XHX-TV chA10 5/2.5kW. **D.Prgr's:** 18.00-06.00.

* **TELEVISION DE NUEVO LAREDO. Addr:** Aldama 2611, Nuevo Laredo, Tams. **Te:** 2182. **L.P:** Gen. Mgr: R. Tijerina C. **Station:** XEFE-TV chA2 0.5kW — chA11 1.5/0.75kW H. **D.Prgr:** 00.00-06.00.

**TELEVISION TAPATIA S.A. Addr:** P.O. Box 5, Guadalajara, Jal. **Te:** 37525. **L.P:** Gen. Mgr: M. Bauche. Dir. Tec: Ing. C. Sánchez. Film Buyer: E. Meludis C. **Station:** XEHL-TV chA6 6/3kW H. **D.Prgr:** 21.00-06.00.

* **TELEVISORA DE LA LAGUNA. Addr:** Torreon, Coah. **Station:** XELN-TV chA4 4/2kW H.

**TELEVISION DE CIUDAD JUAREZ. Addr:** P.O. Box 271, Ci. Juarez, Chih. **L.P:** Gen. Mgr: S. R. Molinar F. **Station:** XEPM-TV chA2 20/5kW H.

* **TELEVISORA DE CHIHUAHUA S.A. Addr:** Chihuahua, Chih. **Station:** XHFI-TV chA5 0.4/0.2kW H.

* **TELEVISORA DE HERMOSILLO S.A. Addr:** P.O. Box 606, Hermosillo, Son. **Te:** 38855. **L.P:** St. Mgr: A. Casanova L. Dir. Tec: E. Alvarez. Dir. Prgr: G. S. Madrid. **Station:** XEWH-TV chA6 100/50kW H. **D.Prgr:** 22.00-06.00.

* **TELEVISORA DE OCCIDENTE S.A. Addr:** Av. Alemania 285, Guadalajara, Jal. **Te:** 4-41-40. **Stations:** XEWO-TV chA2 5/2.5 kW H, XHG-TV chA4 5/2.5kW. **D.Prgr:** XEWO-TV: As Telesistema Mexicano 1st Netw. XHG-TV: 18.00-07.00.

* **TELEVISORA DE CALIMEX S.A. Addr:** Apt. Postal 12, Tijuana, B.C. **L.P:** Dir. Gen: E. Azcarraga V. Gen. Mgr. & Film Buyer: J. M. Munoz de Cote. Dir. Tec: M. Duemas R. **Station:** XEWT-TV chA12 66/33kW H. **D.Prgr:** 00.00-08.00.

* **TELEVISORA DE NOGALES S.A. Addr:** Av. Alvaro Obregón 138, Nogales, Son. **Te:** 562. **L.P:** Gen. Mgr: Dr. F. Arriola G. Dir. Tec: Ing. C. P. Morreale. **Station:** XHFA-TV chA2 8/4kW. **D.Prgr:** 00.00-07.00.

**TELEVISORA DE YUCATAN. Addr:** Apt. Postal 152, Merida, Yucatan. **Te:** 1.51.00. **L.P:** Dir. Gen: A. Carcia Lavin. Film Buyer: F. Leon M. Dir. Tec: H. Padron M. **Station:** XHY-TV chA3 2/1kW H. **D.Prgr:** 22.00-06.00, Sun also 16.00-18.00.

**TELEVISION DE COLIMA S.A. Addr:** Anillo Circunvalación 1080 Nte. Colima, Col. **Station:** XHCC-TV chA5 1/0.5kW.

* **TELEVISION DEL GOLFO. Addr:** Apt. Postal 751, Veracruz. **L.P:** Dir. Gen: A. Flores Y. Gen. Mgr. & Film Buyer: L. Garcia M. Dir. Tec: C. Trejo Castillo. Film Buyer: J. Horacio S. **Station:** XHFM-TV chA 14.2/7.45kW H. **D.Prgr:** 22.00-06.00.

**TELEVISION DE ENSENADA. Addr:** Av. Punta Banda y Eugenia, Fraccionamiento Chapultepec, Ensenada, B.C. **Station:** XHS-TV chA23 0.4/0.2kW.

**UNIVERSIDAD DE SONORA. Addr:** Hermosillo. Sonora. **Te:** 3.79.05. **L.P:** Dir. Gen. & Dir. Tec: M. R. Canale. **Station:** XHUS-TV chA8 1.6/0.25kW H. **D.Prgr:** 02.00-05.00.

**TELEVISORA DEL YAQUI. Addr:** 5de Febrero 8, Ci. Obregon, Son. **L.P:** Dir. Gen: R. Azcarraga R. Dir. Tec: E. Burgos M. Film Buyer: F. Ureña L. **Station:** XHI-TV chA2 8/4kW H. **D.Prgr:** 22.00-06.00.

**TELEVISION MEXICANA INDEPENDIENTE. Addr:** Av. Insurgentes Sur 1870, Mexico D.F. **Station:** chA13 — **TV sets:** 1.860.000.

## NETHERLANDS ANTILLES

**TELECURACAO (Comm.)**
**Addr:** P.O. Box 415, Curaçao. **Te:** 13140. **Cable:** Telecuraçao. **L.P:** Pres: G. A. Barteli. Gen. Mgr. & Film Buyer: E. C. Hernandez. Chief Eng: P. J. Hoogesteger. **Station:** chA8 2kW H. **D.Prgr:** 20.30-04.00.

**TELEARUBA (Comm.)**
**Addr:** P.O. Box 392 1A, Aruba. **Te:** 7302. **Cable:** Telearuba. **L.P:** See Telecuraçao. **Station:** chA12 3kW. **D.Prgr:** 22.00-04.00. **Projected St's:** 2 low powered repeaters at Bonaire. **TV sets:** 17.500.

## NICARAGUA

**TELEVISION DE NICARAGUA S.A. (Comm.)**
**Addr:** Apt. 1505, Managua. **Te:** 5404. **Cable:** Tevenic. **L.P:** St. Mgr: R. O. Caño. Dir. Tec: Ing. F. Cruz R. Film Buyer R. A. Silva. **Stations:** chA6 6/3kW H, chA8 0.3/0.15kW H, chA15 5/2.5kW H. **D.Prgr:** 18.30-20.00, 23.00-05.00.

**TELEVICENTRO DE NICARAGUA (Comm.)**
**Addr:** Las Nubes, El Crucero, Managua. **Station:** YNTC chA2 5/1kW. **TV sets:** 25.000.

## PANAMA

**CIRCUITO RPC-TELEVISION (Comm.)**
**Addr:** Apt. 1795, Panama 1. **Te:** 5-0160. **L.P:** Pres: F. Eleta A. Gen. Mgr: & Film Buyer: J. de la Guardia jr. Dir. Tec: L. O'Meally. **Stations:** HOHM-TV chA4 150/75kW; David chA6 6.3/0.6kW H, Sona chA7 7.95/0.8kW, El Valle chA12 25/2.5kW (rel. chA4). **D.Prgr:** 16.00 (Sat 15.30, Sun 14.00)-05.00.

**TELEVISORA NACIONAL S.A. (Priv. Comm.)**
**Addr:** Apt. 8371, Panama. **Te:** 3-1724. **Cable:** Tenasa. **L.P:** Gen. Mgr: R. G. de Paredes C. Dir. Tec: J. Stabile. **Stations:**

HOU34-TV chA2 90/45kW; Repeaters: El Valle chA6 0.5/0.25 kW, David chA2 0.1/0.02kW, Sona chA9 0.1/0.02kW. **D.Prgr:** 16.30-05.00.

**TELEBARU S.A. (Comm.)**
**Addr:** P.O. Box 160, David. **L.P:** St. Mgr: R. Samudio. Dir. Tec: A. Sanmartin. **Station:** chA10 5/2.5kW. **D.Prgr:** 21.00-04.00. **TV sets:** 77.000.

## PUERTO RICO

**STATIONS:** All comm. exc. 2) and 5):

| Call | chA | kW | Call | chA | kW |
|---|---|---|---|---|---|
| 1) WKAQ-TV | 2 | 100/20 | 7) WSUR-TV | 9 | 0.83/0.537 |
| 2) WIPM-TV | 3 | 35.5/5.37 | 8) WKBM | 11 | 133/13.2 |
| 3) WAPA-TV | 4 | 53.7/8.1 | 9) WOLE-TV | 12 | 17.88/3.55 |
| 4) WORA-TV | 5 | 100/20 | 10) WTSJ-TV | 18 | 302/40 |
| 5) WIPR-TV | 6 | 53.7/5.37 | 11) WITA-TV | 30 | 625/62.5 |
| 6) WRIK-TV | 7 | 63.1/12.6 | | | |

1) **Telemundo Inc,** Box 5096, San Juan 00906. **L.P:** Gen. Mgr: R. Ruiz.
2) **Dept. of Education,** Box 449, Mayaguez. **L.P:** Gen. Mgr: J. Delano.
3) **WAPA TV Broadc. Corpo,** Box 2050, San Juan. **L.P:** Gen. Mgr: H. Modestti.
4) **Quality Telecasting Corpo,** Box 43, Mayaguez 00708. **L.P:** Mgr: G. A. Tryon.
5) **Dept. of Education,** Box 909, Hato Rey. **L.P:** Gen. Mgr: J. Delano.
6) **Ponce TV Corpo,** Ponce International Hotel, Ponce. **L.P:** Gen. Mgr: R. Royo, Jr.
7) **WSUR-TV,** Box 471, Ponce. **L.P:** Pres. and Gen. Mgr: R. Perez Perry.
8) **WKBM-TV,** Box 4189, San Juan 00905. **L.P:** St. Mgr: C. Juncos.
9) **Western Broadc. Corpo of Puerto Rico,** Box 2050, San Juan 00902. **L.P:** Gen. Mgr: C. Rivera.
10) **Tele San Juan Inc,** Box 1313, San Juan. **L.P:** Pres: O. R. Chalk.
11) **El Imparcial Broadc. Corpo,** Apt. 2692, San Juan.
**TV sets:** 394.000.

## TRINIDAD & TOBAGO

**TRINIDAD AND TOBAGO TELEVISION CO. Ltd.**
**Addr:** Television House, Maraval Rd, Port-of-Spain. **Te:** 24141. **Cable:** Television Trinidad. **L.P:** Gen. Mgr: F. A. Rawlins. Chief Eng: C. D. Parris. Sales Mgr: M. E. Telfer. Dir. Prgr: B. Gordon. **Station:** chA13 15/6kW H. **Relay st:** chA2 15/7.5kW H. **D.Prgr:** W 22.00-02.00 (Sat 03.00), Sun 21.00-03.00.
**Fi:** A joint priv. enterprise between majority joint shareholders, Rediff. International Ltd. and Greenwood Finance Ltd. with participation by C.B.S. and Gov — **ALF:** $ 20.00 — **TV sets:** 35.500.

## VIRGIN ISLANDS (American)

**ISLAND TELERADIO SERVICE INC. (Comm.)**
**Addr:** P.O. Box 1947, St. Thomas. **L.P:** see radio.
**Station:** chA10 2.5/1.25kW. **D.Prgr:** 20.00 (Sun 19.30)-03.30.
**TV sets:** 12.000.

# SOUTH AMERICA

## ARGENTINA

**STATIONS:** 4) Gov, Non-Comm. st; 5) Gov, Comm. st; Other Private, Commercial stations.

| Call | chA | kW(ERP) | Call | chA | kW(ERP) |
|---|---|---|---|---|---|
| 1) LS86 | 2 | 100/50 | 14) LU80 | 9 | 45/22.5 |
| 2) LT83 | 3 | 90/45 | 15) LU83 | 9 | 120/60 |
| **3) LT84** | **5** | **120/60** | 16) LV83 | 9 | 50/25 |
| 4) LV84 | 6 | 0.12/0.06 | 17) LT81 | 9 | 5/2.5 |
| 5) LS82 | 7 | 42/21 | 18) LU82 | 10 | 5/2.5 |
| 6) LU81 | 7 | 60/30 | 19) LV80 | 10 | 0.35/0.175 |
| 7) LU84 | 7 | 120/60 | 20) LW83 | 10 | 0.5/0.125 |
| 8) LV89 | 7 | 2/1 | 21) LS84 | 11 | 120/60 |
| 9) LW80 | 7 | 5/2.5 | 22) LW82 | 11 | 10/5 |
| 10) LW81 | 7 | 4/2 | 23) LV81 | 12 | 5/1 |
| 11) LU86 | 8 | 80/40 | 24) LS85 | 13 | 116/58 |
| 12) LV82 | 8 | 5/2.5 | 25) LT80 | 13 | 6/3 |
| 13) LS83 | 9 | 120/60 | 26) LT82 | 13 | 95/47.5 |

1) Corrientes 1386, Buenos Aires. **L.P:** Dir: M. Simonetti. **D.Prgr:** 17.00-05.00.
2) Av. Caseros 8101, Rosario. **Te:** 48997. **L.P:** Dir: A. Gollán. **D.Prgr:** 13.00-04.30.
3) Av. Belgrano 1055, Rosario. **Te:** 25894. **L.P:** Dir: O. L. Massa. **D.Prgr:** 22.00-03.30.
4) Luzuriaga 360, San Rafael, Córdoba. **Te:** 2454. **L.P:** Dir: A. Espasandin. **D.Prgr:** 22.00-03.00.
5) **Primera Televisora Argentina,** Av. Leandro N. Alem 735, Buenos Aires. **Te:** 32-7091. **L.P:** Dir: W. Fontans. **D.Prgr:** 19.45-05.00. (Relay st's in Rosario, Santa Fé and Chivilcoy.)
6) Blandengues 225, Bahía Blanca. **Te:** 29630. **L.P:** Dir: J. Sieli. **D.Prgr:** 22.00-04.00.
7) Ruta 22 s/n, C.C.113, Neuquén. **Te:** 2271. **L.P:** Dir: A. J. Sánches. Dir. Tec: O. J. Marinez. Film Buyer: H. P. Borruat. **D.Prgr:** Mon-Fri 22.30-03.45; Sat 22.00-04.00; Sun 21.00-04.00.
8) **Difusora Mendoza,** Garibaldi 70, Mendoza. **Te:** 19273. **L.P:** Gen. Mgr. and Dir. Tec: H. Bartolamedi. Film Buyer: M. A. Marini. **D.Prgr:** 14.30-05.00.
9) **R. Visión Jujuy S.A.** Av. 19 de Abril 749, San Salvador de Jujuy. **L.P:** Dir. Gen: S. Grinman. Dir. Tec: R. Francisco E. **D.Prgr:** 22.30-04.00.
10) **Tele-Siete,** Pellegrini 345, Stgo. del Esteto. **Te:** 3333. **L.P:** Dir: A. Alvarez V. **D.Prgr:** 19.00-03.00.
11) **Difusora Marplatense,** Av. Luro 2907, Mar del Plata. **Te:** 23046. **L.P:** Dir. Gen: L. Heker. Mgr. and Film Buyer: O. Viña. Dir. Tec: J. A. Suarez. **D.Prgr:** 21.30-03.30.
12) Rivadavia 22 Este, San Juan. **Te:** 7174. **L.P:** Dir: J. E. Estornell. Dir. Tec: J. Z. Neman. Film Buyer: M. Valentil. **D.Prgr:** 15.30-04.00.
13) **Comp. Argentina de TV,** Castex 3345, Buenos Aires. **Te:** 72-3075. **L.P:** Dir: A. Romay. Dir. Tec: D. Perez. **D.Prgr:** 14.00-05.30.
14) Telenueva Sarmiento 54, Bahia Blanca. **Te:** 34584. **L.P:** Dir: Sra. D. J. de Massot. **D.Prgr:** 14.00-05.00.
15) Rawson 1459, Comodoro Rivadavia. **Te:** 2079. **L.P:** Dir: J. L. Pastorini. **D.Prgr:** 23.30-03.00.
16) San Martín 1027, Mendoza. **Te:** 14253. **L.P:** Dir: F. Alvarez H. **D.Prgr:** 19.30-04.00.
17) Av. Alvear 50, Resistencia. **L.P:** St. Mgr: L. Silverio V. **D.Prgr:** 22.00-04.00.
18) Independencia 1163, Mar del Plata. **Te:** 41003. **L.P:** Dir: V. C. Madaroaga. **D.Prgr:** 14.00-04.30.
19) **Universidad Nacional de Córdoba,** Rivera Indarte 170, Córdoba. **Te:** 31986. **L.P:** Dir: R. Cheisura. Dir. Tec: H. P. Blesio. Film Buyer: A. H. Rustan. **D.Prgr:** 22.00-04.00.
20) **Televisora de la Universidad Nacional Tucumán,** Av. 9 de Julio 629, Tucumán. **Te:** 20426. **L.P:** Dir. Gen: J. Guillermo L. **D.Prgr:** 18.00-20.00.
21) **Teleonce Dicon,** Pavón 2444, Buenos Aires. **Te:** 91-9232. **L.P:** Dir: P. Simoncini. Dir. Tec: C. A. Fernández. **D.Prgr:** 18.00-04.30.
22) **Cortesa,** España 465, Salta. **Te:** 17960. **L.P:** Dir. and Film Buyer: M. Cornejo I. Dir. Tec: R. Gallo S. **D.Prgr:** 22.30-04.00.
23) **Telecor. S.A,** Fader 111, Cerro de las Rosas, Córdoba. **Te:** 96081. **L.P:** Dir. M. Peña. Dir. Tec: P. Chialvo. Film Buyer: J. L. Romero V. **D.Prgr:** 16.30-04.00.
24) **Río de la Plata TV,** Cochabamba 1153, Buenos Aires. **Te:** 27-3601. **L.P:** A. R. Constantini. **D.Prgr:** 13.00-04.30.
25) Calle Canal 13. no. 13, Corrientes. **Te:** 3179. **L.P:** Dir: C. A. Smith. **D.Prgr:** 22.00-04.00.
26) Boulevard Gálvez 8401, Sana Fé. **Te:** 29959. **L.P:** Dir: M. V. Bobbio. **D.Prgr:** 22.00-04.00.

**Projected:** 27) LU85 chA9 Rio Gallegos, Sta. Cruz — 28) LU87 chA11 Ushuia & 29) LU88 chA13 Rio Grande, LV85 chA8 Córdoba.
**TV sets:** 1.700.000.

## BRAZIL

**ASSOCIACAO BRASILEIRA DE EMISSORAS DE RADIO & TELEVISAO (ABERT): Addr:** Av. Rio Branco 4, salas 901-903, Rio de Janeiro. **L.P:** see radio.

**DIARIOS E EMISSORAS ASSOCIADOS: Addr:** Rua S. Cabral 103, Rio de Janeiro. **L.P:** see radio.
All st's comm. exc. where indicated.

**1) TELEVISAO NACIONAL DE BRASILIA (Gov.): Addr:** C.P. 95, Brasilia. **Station:** chA3 2/1kW H.

**2) TELEVISAO BRASILIA: Addr:** Av. W3, Setor de Rádio e Televisão, Brasilia, D.F. **Te:** 2-9666. **Telex:** 157. **L.P:** Dir. Gen: Dr. J. Valladares. St. Mgr: A. Sá. Dir. Tec: R. Perez. **Stations:** chA6 10/5kW H. **D.Prgr:** 20.15 (Sat 18.10, Sun 17.00)-03.00.

**3) TELEVISAO ALVORADA: Addr:** Brasilia. **Station:** chA8 10/6 kW H. **D.Prgr:** 15.00 (Sat/Sun 14.00)-03.00.

**4) TELEVISAO CONTINENTAL: Addr:** Rua das Laranjeiras 291, Rio de Janeiro. **Te:** 42-6419. **L.P:** Dir. Gen: C. Berardo. St. Mgr: C. B. Carneiro da Cunha. Dir. Tec: J. M. Franciscus Zayen. **Station:** chA9 10/5kW H. **D.Prgr:** 21.00-04.00.

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5) **TELEVISAO-RIO: Addr:** Av. Atlantica 4264, Rio de Janeiro. **Te:** 27.0047. **Cable:** Teverio. **L.P:** Dir. Gen: J. Baptista do Amaral. Dir. Tec: W. S. Britto. Film Buyer: C. Manga. **Station:** chA13 36/18kW H. **D.Prgr:** 15.00 (Sat/Sun 14.00)-03.00. **Relay St's:** TV-Juiz de Fora chA5 10/6kW H, TV-Lafaiete chA6 10/5kW H, TV-Guaratingueta chA12 10/6kW, TV-Friburgo chA3 10/5kW H.

6) **TELEVISAO-TUPI: Addr:** Av. João Luiz Alves 13/13-Urca, Rio de Janeiro, GB. **L.P:** Dir. Gen: N. G. Bastos. Dir. Tec: O. Pagliari. Dir. Prgr. and Film Buyer: D. Costa Lima. **Station:** chA6 25/2.5kW H (relay st's at Itatiaia, Itapeva, Campos, Guaçui; Juiz de Fora, Vitoria. **D.Prgr:** 17.00 (Sat 15.00, Sun 13.00)-03.30.

7) **TELEVISAO GLOBO: Addr:** Rua Von Martius 22, Jardim Botanica, Rio de Janeiro. **Te:** 46-8110. **L.P:** Dir: R. Marinho. Exec. Dir: W. Clark. Dir. Tec: L. A. de Medeiros. **Stations:** chA4 120/60kW H. **D.Prgr:** 14.30-04.00.

8) **TELEVISAO EXCELSIOR DE SAO PAULO: Addr:** Rua Nestor Pestana 196, São Paulo, SP. **Te:** 36-5329. **Station:** chA9 60/30kW H. **D.Prgr:** 15.00-05.00. Relay St's at Campinas (chA10), Poços de Caldas, Amparo, Itapetininga, Sorocaba, Itajubá, Casa Branca, Santa Rita, Araraquara, Bariri, Jaú, Garça, Baurú, Botucatù, Tatui, Santos (chA9), Piracicaba.

9) **TELEVISAO EXCELSIOR DE RIO DE JANEIRO: Addr:** Av. Venezuela 43, Rio de Janeiro, GB. **Te:** 23-8185. **Stations:** chA2 100/25kW H. **D.Prgr:** 15.00 (Sun 12.00)-05.00.

10) **TELEVISAO GAUCHA: Addr:** C.P. 1164, Porto Alegre. **L.P:** Gen. Mgr: M. S. Sobrinho. Dir. Tec: W. Sosa. **Station:** chA12 80/40kW (+ 20 low power satellites). **D.Prgr:** 19.00-03.00.

11) **TELEVISAO TRIANGULO: Addr:** Rua Buriti Alegre 1069, Uberlândia, MG. **L.P:** Dir. Gen. and Film Buyer: Dr. E. G. Nunes. Dir. Tec: S. E. Pereira. **Station:** chA8 20/10kW. **D.Prgr:** 19.00 (Sun 17.00)-03.00.

12) **TELEVISAO VILA RICA: Addr:** Rue Fernandes Tourinho 818, Belo Horizonte, MG. **L.P:** Gen. Mgr: L. Cadar. Dir. Tec: A. Maluf. Film Buyer: E. Liete. **Station:** chA7 32/16kW H. **D.Prgr:** 20.00-03.00.

13) **TELEVISAO PAULISTA: Addr:** Rua dea Palmeiras 322, São Paulo. **Cable:** Televisão. **L.P:** Dir. Gen: R. Marinho. Dir. Tec: P. C. da Silva. **Station:** chA5 25/12.5kW H (relay st's at Campinas, Santos, Vale do Paraiba, Itajubá). **D.Prgr:** 18.00-03.00.

14) **TELEVISAO TUPI DIFUSORA: Addr:** Bairro Sumaré, Rua Catalão 48, São Paulo. **L.P:** Dir: E. Monteiro. **Station:** chA4 6/3kW H. **D.Prgr:** 12.00-03.00. (Relay st's: Valinhos, Campinas, Limeira, Analândia, Santa Rita, Riberirão Preto (chA3), São Carlos, Bragança Paulista, São José do Rio Preto, Bebedouro, Colina, Barretos, Olimpia, Mirassol, Poços de Caldas, Itajubá, Brasópolis, Campos do Jordão, Itatiaia and further cities.)

15) **TELEVISAO CULTURA: Addr:** Rua Sete de Abril 230, São Paulo. **Te:** 34-4181. **L.P:** Dir. Gen. and Film Buyer: J. Duarte. Dir. Tec: V. Narduzzi. **Station:** chA2 8/4kW H. **D.Prgr:** 14.30-04.00.

16) **TELEVISAO RECORD: Addr:** Av. Miruna 713, São Paulo. **L.P:** Dir. Gen: P. Marchado de Carvalho. **Station:** chA7 25/12.5kW H. **D.Prgr:** 18.00-03.00 (Relay st's at Valinhos chA22 50/25kW, Campos do Jordão ch17, Piracicaba ch19).

17) **RADIO TELEVISAO BANDEIRANTES: Addr:** C.P. 372, São Paulo. **Te:** 801613. **L.P:** Pres: J. J. Saad. Dir. Gen. and Film Buyer: M. Pereira Leite. Dir. Tec: L. Aurani. **Station:** chA13 85/42kW H. **D.Prgr:** 18.00-04.00 (or 05.00).

18) **TELEVISAO RIBEIRAO PRETO: Addr:** Rua São Sebastião 506, Ribeirão Preto, S.P. **Station:** chA3 2/2kW H. **D.Prgr:** rel. TV-Tupi Difusora only.

19) **TELEVISAO-BAURU: Addr:** Rua P. Ancieta 7-41, Bauru, S.P. **Station:** chA2 2/0.5kW H.

20) **TELEVISAO PIRATINI: Addr:** Rua 7 de Setembro 1123, Porto Alegre, RGS. **L.P:** Dir. Gen: N. D. de Oliveira Comm. Mgr: I. J. Tartarotti. Dir. Prgr: A. Sales. **Stations:** chA5 25/12.5kW H. (relay st's at Sta. Cruz do Sul, B. Gonçalves, Nova Prata, Casca-Marau, Passo Fundo, Pelotas, Osorio, Sta. Maria, São Lourenco, Bom Jesus, Torres, Cachoeira do Sul, Antonio Prado (all in RGS); also Ararangua, Sidorópolis, Criciuma and Tubarão (in SC). **D.Prgr:** 14.45 (Sat 15.00, Sun 11.55)-03.00.

21) **TELEVISAO ALTEROSA: Addr:** Rua Afonso Peña 867, Belo Horizonte. **L.P:** St. Mgr: Dr. P. Cabral. **Stations:** chA2 20/10kW H. **D.Prgr:** W 19.00-03.00, Sun 14.00-02.15.

22) **TV-BELO HORIZONTE: Addr:** Rua Rio de Janeiro 1279, Belo Horizonte, MG. **Station:** chA12 10/6kW H. **D.Prgr:** 15.00 (Sat 14.00)-03.00.

23) **TELEVISAO ITACOLOMI: Addr:** C.P. 1753, Belo Horizonte, MG. **Te:** 2-0944. **Telex:** 134. **L.P:** St. Mgr: Dr. P. Cabral. Dir. Tec: V. P. Netto. Dir. Prgr: J. O. Vaz. Film Buyer: P. Leal. **Station:** chA4 40/20kW H. **D.Prgr:** 19.20 (Sat 17.10, Sun 12.50)-02.00.

24) **TELEVISAO LAFAIETE: Addr:** Conselheiro Lafaiete, MG. **Station:** chA6 10/5kW H. (Relay TV Rio, Rio de Janeiro.)

25) **TV MARIANO PROCOPIO: Addr:** Rua Barãode S. Nepomuceno 197, Juiz de Fora. **Station:** chA10 10/5kW. **D.Prgr:** 18.00-03.00. (Relay TV Tupi, Rio de Janeiro.)

26) **TELEVISAO RADIO CLUBE PERNAMBUCO: Addr:** Av. Cruz Cabuga 394, Recife, PE. **Te:** 4-1522. **Cable:** Diarbuco. **L.P:** Dir. Gen: H. Motta. St. Mgr: F. Trigueiro. Dir. Prgr: A. Tavares. **Station:** chA6 25/15kW H. **D.Prgr:** 19.00-03.00.

27) **TELEVISAO JORNAL DO COMERCIO: Addr:** Rua do Lima 240, Recife, PE. **L.P:** Pres: P. Pessoa de Queiroz. **Station:** chA2 25/12.5kW H.

28) **TELEVISAO PARANA: Addr:** Rua J. Loureiro 119, Curitiba. **L.P:** Dir: C. Guilherme Addor. Dir. Tec: J. Louro. **Station:** chA6 2/1kW. **D.Prgr:** 19.00-03.00.

29) **TELEVISAO PARANAENSE: Addr:** Senador Slencar Guimarães 97, Curitiba, **L.P:** Dir. Gen: Dr. N. Chede. Dir. Tec: O. B. Freire. **Station:** chA12 10/5kW H.

30) **TELEVISAO CEARA RADIOCLUB: Addr:** C.P. 222, Fortaleza, CE. **Te:** 1-3125. **Cable:** Prenove. **L.P:** Dir. Gen: Dr. M. E. P. Campos. **Station:** chA2 3/0.6kW H. **D.Prgr:** 20.00-03.00.

31) **TELEVISAO ITAPOAN: Addr:** Rua Gomes 57, Salvador, BA. **Te:** PB/5-1143. **Cable:** Gremio. **L.P:** Dir. Gen: Dr. O. Tavares. St. Mgr: Dr. P. Nacife. Dir. Prgr: M. Augusto. **Station:** chA5 5/1kW H. **D.Prgr:** 19.55 (Sat 17.30, Sun 16.30)-03.00.

32) **TELEVISAO MARAJOARA: Addr:** Av. Gov. José Malcher 1332, Belem, PA. **Te:** 3422. **Cable:** Provan. **L.P:** Dir. Gen: M. Trindade. **Station:** chA2 5/1kW H. **D.Prgr:** 20.45 (Sat 20.15, Sun 18.40)-03.00.

33) **TELEVISAO GOIANIA: Addr:** Caixa Postal 62, Goiânia, GO. **Te:** 6.40.41. **Cable:** Folhago. **L.P:** Dir. Gen: F. Braga Sobrinho. Dir. Adm: J. Cavalcanti. Dir. Tec: E. Salenko. **Station:** chA4 1/0.25kW. **D.Prgr:** 19.00-03.00.

34) **TELEVISAO VITORIA: Addr:** Av. Jeronimo Monteiro, 331, 10° and, Vitória, ES. **Te:** 3406. **Cable:** Ravito. **L.P:** Dir. Gen: S. Kathar. Dir. Tec: H. Pagliari. **Station:** chA4 5/2.5kW H. **D.Prgr:** 21.10 (Sat 20.00, Sun 19.00)-01.00.

35) **TELEVISAO BORBOREMA: Addr:** Rua Venancio Neiva 287, Campina Grande, PB. **Te:** 1961. **L.P:** Dir. Gen: M. Motta. Dir. Tec: J. C. de Albuquerque. **Station:** chA9 5/2kW H. **D.Prgr:** 22.00-02.00.

36) **TV ANHANGUERA: Addr:** Av. Goiás 31, Goiânia, GO. **L.P:** Mgr. and Film Buyer: T. J. da Camara. Dir. Tec: J. W. Schmaltz. **Stations:** chA2 2/1kW, chA9 0.5/0.25kW. **D.Prgr:** chA2 18.00-03.00, chA9 21.30-02.30.

37) **TV COROADOS: Addr:** Av. Tiradentes, Londrina, PA. **Station:** chA3 2/1kW. **D.Prgr:** 20.00-03.00.

38) **TV DIFUSORA DO MARANHAO: Addr:** Av. Pedro II 220, São Luiz, MA. **Station:** chA4 6/3kW. **D.Prgr:** 20.00-03.00.

39) **TV GUARANI: Addr:** R. Alvaro Muller 726, Campinas, SP. **L.P:** Dir. L. F. Torres. Dir. Prgr: L. Ziggiatti. **Station:** chA3 1/0.5kW H. **D.Prgr:** 20.00-03.00.

40) **TELEVISAO MORENA: Addr:** Av. de Contôrno, Campo Grande, MT. **Station:** chA6 1/0.5kW.

41) **TELEVISAO CENTRO AMERICA: Addr:** Cuiabá, MT. **Station:** chA4.

42) **TV GUAJARA: Addr:** T. F. Guimaraes 348, Belém, PA. **L.P:** Dir. Gen: A. Lopo de Castro. **Station:** chA5 5/1kW. **D.Prgr:** 20.00-03.00.

43) **TV DIFUSORA PORTO ALEGRENSE: Addr:** Rua Uruguai 155, Porto Alegre, RGS. **Station:** chA10.

44) **TV-EREXIM: Addr:** Erexim, RS. **Station:** chA2 1/0.25kW.

45) **TV UNVERSIDADE CANAL 11: Addr:** Rua do Hospécio 619, Recife, PE. **L.P:** Gen. Mgr. and Film Buyer: Dr. M. C. Queiros de Andrade. Dir. Tec: Dr. N. Cavalcanti Lima. **Station:** chA11 10/2.5kW H.

**Projected stations: TV Farroupilha,** Galeria Rosario 22, Porto Alegre, chA5 — **TV Gazeta,** São Paulo, chA11 — **TV Brazil Central,** Goiania, chA13 — **TV Guaiba,** Porto Alegre, chA2 — **TV Iguiaçu,** Cúriliba, chA4.
**TV sets:** 3.000.000.

## CHILE

**UNIVERSIDAD DE CHILE (Educ.)**
**Addr:** Inés Matte 825 (or P.O. Box 12985), Santiago. **Te:** 80711. **L.P:** Dir: M. Planet. St. Mgr: S. Escobar. **Station:** chA9 40/20 kW V. **D.Prgr:** 17.00-03.30.

**UNIVERSIDAD CATOLICA (Non-comm.)**
**Addr:** Alameda 340, Santiago. **Te:** 380342; Av. Brasil 2059, Valparaiso. **L.P:** Dir. Gen: E. Tironi Arce. Gen. Mgr: A. Castaneira. Dir. Tec: P. Carabal. Film Buyer: O. Barzelotti. **Station:** chA13 8/4kW H. Repeater St: Valparaiso, chA8 1/0.5kW. **D.Prgr:** 18.30-19.30, 22.30-04.00.
**TV sets:** 90.000.

## COLOMBIA

**INSTITUTO NACIONAL DE RADIO Y TELEVISION**
**Addr:** Céntro Administrativo Nacionál, Vía Aeropuérto Eldorádo, Bogota. **Te:** 446020. **L.P:** Dir. Gen: Dr. W. Fadúl V. Dir. Tec: Dr. J. E. Nassar. Dir. Adm: Dr. G. Rodríguez.
**Stations:** Bogotá (Alto Magdalena) chA7 10/20kW H, chA9 1/0.25kW, El Cármen de Bolívar chA9 1/0.25kW, Las Jurisdicciónes chA6 10/2kW, Madroño chA11 400/100W, Manizales chA11 1/0.25kW H, Medellín chA3 10/2kW H, Montería chA7 1/0.25kW, Néiva chA11 400/100W H, Valle del cauca chA8 10/2kW, Popayán (Munchique) chA10 1/0.25kW H, Santa Márta chA2 10/2kW H, Túnja chA10 400/100W.
**D.Prgr:** 12.00-15.50, 19.10-21.10, 22.25-05.00 (Educational 13.00-15.50, 19.10-21.10, 22.25-22.55). **Projected:** Pásto, Quibdó Cúcuta.

**TELEBOGOTA (Official Comm.)**
**Addr:** Ca. 22 No. 5-91, Bogota. **Te:** 434015. **Cable:** Protécnica. **L.P:** Dir. Gen: L. Montéjo. Dir. Tec: M. Aguilár. Film Buyer: C. de Montéjo. **Station:** chA9 1/0.25kW H. **D.Prgr:** 22.00-04.00.
**TV sets:** 380.000.

## ECUADOR

**TELECUADOR S.A. (Comm.)**
**Addr:** Casilla 5902, Guayaquil. **Te:** 10753. **Cable:** Telecuador; Casilla 70, Quito. **Te:** 17307. **Cable:** Teleseis. **L.P:** Dir. Gen: P. Norton. Mgr: M. Luque B. Dir. Tec: Q. Rivadeneira. **Stations:** Guayaquil chA4 2/1kW H, Quito chA6 2/1kW H. **D.Prgr:** chA4 16.45-04.30; chA6 16.30-04.30.

**LA VENTANA DE LOS ANDES (Priv, Non-comm,Cult.)**
**Addr.** Casilla 691, Quito. **L.P:** Dir: R. B. Clark. Dir. Tec: G. Hartwell.
**Station:** HCJB-TV chA4 8/4kW H. **D.Prgr:** 23.00-03.45.

**CORPORACION ECUATORIANA DE TELEVISION (Comm.)**
**Addr:** Casilla 1239, Guayaquil.
**Station:** chA2 2/0.4kW. **D.Prgr:** 17.00-04.15.

**TELESISTEMA DEL ECUADOR (Comm.)**
**Addr:** P.O.Box A36, Guayaquil. **Station:** chA6 2/0.6kW (Guayaquil), chA3 (Cuenca). **D.Prgr:** chA6 21.00-05.30; chA3 23.00-04.00. Projected: chA3 (Ambato), chA2 (Quito).
**TV sets:** 50.000.

## GUIANA (French)

**OFFICE DE RADIODIFF. TELEVISION FRANCAISE (ORTF)**
**Addr:** B.P. 336, Cayenne. **Te:** 355. **L.P:** St. Mgr: C. Barrat. Film Buyer: C. Pierre. **Station** (System K' 625 lines): Cayenne ch K'4 0.05kW H. **D.Prgr:** 23.00-02.00.
**TV sets:** 100 — **ALF:** 100 Frcs.

## PARAGUAY

**TELEVISION CERRO CORA S.A. (Comm.)**
**Addr:** Ind. Nacional 349, 2° piso, Of. 205, Asunción. **Te:** 4398. **L.P:** Gen. Mgr: A. Ramirez G. St. Mgr: J. Sedano A. Dir. Adm: Dr. C. Morinigo D. Dir. Tec: A. Ellman. **Station:** chA9 6/3kW. **D.Prgr:** 21.00-04.30.
**TV sets:** 10.000.

## PERU

**Cultural**

**MINISTRY OF EDUCATION (Gov): Addr:** Ministerio de Educación Publica, Dirección de Cultura. Lima. **Te:** 75737. **L.P:** Dir: R. Garrido M. Dir. Tec: A. E. Mousalve. **Station:** OAD-TV chA7 150/75W H.

**Commércial**

**TELEVISORA AMERICA: Addr:** Montero Rosas, Lima. **Te:** 42919. **L.P:** Gen. Mgr: N. Gonzalez. Dir. Tec: D. Capella. **Station:** OAKX4U-TV Lima ch4 18/9kW. Relay St: Huacho ch A6.

**TELEVISORA PANAMERICANA: Addr:** Av. Arequipa 1110, Lima. **Te:** 23240. **L.P:** Gen. Mgr: G. Delgado P. Dir. Tec: G. Reusens. **Stations:** OAY4A-TV Lima chA5 72/15kW H; Relay st's Chiclayo, Chimbote chA9, Trujillo, Piura ch A7. **D.Prgr:** 16.30-05.00.

**TELEDOS: Addr:** Av. Tacna 225, Lima. **Te:** 81694. **L.P:** St. Mgr. and Film Buyer: A. Prada. Dir. Tec: E. Fromcke. **Station:** OAX4X-TV Lima chA2 5/2.5kW V. **D.Prgr:** 17.00-05.00.

**TELEVISORA BEGO: Addr:** Av. Manco Capac 333, Lima. **L.P:** Gen. Mgr: A. Belmont. **Station:** chA11 7/3.5kW.

**TELEVISORA EL SOL: Addr:** Av. Uruguay 355, Lima. **Te:** 35945. **L.P:** Dir. Gen: A. Pereyra. Gen. Mgr: N. Gonzales V. **Station:** OBX4X-TV chA9 10/5kW H. (Relays: Huacho chA7, Ica chA11.) **D.Prgr:** 23.30 (Sun 23.00)-05.00.

**TELEVISORA PERUANA: Addr:** Cas. 514, Arequipa. **Te:** 3090. **Stations:** chA2 0.5/25kW. **D.Prgr:** 18.00-04.30.

**TELEVISORA CONTINENTAL: Addr:** M. de Orberoga 338, Arequipa. **Te:** 7214. **Station:** chA6 8/4kW H. (Relays: Tacna chA6, Ilo chA4, Mollendo and Toquepala chA2). **D.Prgr:** 20.00-05.00.
**TV sets:** 275.000.

## URUGUAY

**SAETA (Sociedad Anomina de Emisoras de Television y Anexos) (Comm.)**
**Addr:** Tacuarembo 1234, Montevideo. **Te:** 4-4034. **Cable:** Saeta. **L.P:** Pres: R. Fontaina. Vice Pres: J. E. De Feo. Gen. Mgr. and Film Buyer: R. Fontaina Jr. Dir. Tec: A. Galimberti. Sales Mgr: M. Fontaina. **Station:** chA10 2.5/1kW H. **D.Prgr:** Mon-Fri 13.15-03.15, Sat/Sun 13.40-03.15.

**SODRE (Servicio Oficial de Difusión Radio Electrica).**
**Addr:** Boulevard Colorado 2362, Montevideo. **L.P:** See radio.
**Station:** chA5 32/16kW. **D.Prgr:** 09.00-03.30.

**TELEVISORA LARRANAGA S.A.(Comm.)**
**Addr:** Enriqueta Compte y Rique 1276, Montevideo. **Te:** 25856. **L.P:** Gen. Mgr. and Film Buyer: H. Schek. Comm. Mgr: R. Rodriguez. Dir. Tec: M. Giampetro. **Station:** CXA12-TV chA12 40/20kW H. **D.Prgr:** 12.35-03.00.

**MONTE CARLO TV (Comm.)**
**Addr:** Av. 18 de Julio 1855, Montevideo. **Cable:** Montecarlotv. **Te:** 402146. **L.P:** Dir. Gen: H. Romay Salvo. Dir. Tec: J. Goyret. **Station:** chA4 32/16kW H. **D.Prgr:** 12.35-03.30.

**RIO URUGUAY TV (Comm.)**
**Addr:** Zorilla y Argentina, Fray Bentos. **Te:** 144. **L.P:** Dir. Gen: D. Romay Salvo. **Station:** chA12 1kW. **D.Prgr:** 22.00-23.00, Sat and Sun also 17.00-20.00.

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**TELE-ARTIGAS (Comm.)**
**Addr:** Lecueder 291, Artigas. **Te:** 47. **Station:** chA3 0.5kW. **D.Prgr:** 22.00-03.00. — **TV sets:** 200.000.

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**ONDAS DEL LAGO TV (Comm.)**
**Addr:** Apartado 261, Maracaibo. **Cable:** Lagonda. **L.P:** Pres: G. Cristalino. **Station:** chA13 12/6kW H. **D.Prgr:** 18.00-04.00.

**R. CARACAS TV (Comm.)**
**Addr:** Apt. 2057, Caracas. **Te:** 418971. **L.P:** Gen. Mgr: G. Tucker. Dir. Tec: A. H. Guia. Film Buyer: P. Bottome. **Stations:** YVVA-TV Caracas chA2 60/30kW — Repeaters: Maracaibo chA2 66/33kW, Barquisimeto chA3 40/20kW, Barcelona chA3 100/50kW, Litoral Central chA7 10/5kW, Lago Valencia chA7 88/44kW, Trujillo chA7 275/137.5 W, Merida chA7 400/200 W, Táchira chA7 50/25kW, Pto. Cabello chA10 10/5kW, Falcón chA10 330/165kW. **D.Prgr:** 09.00-04.00. **Stations under construction:** Ci. Bolivar chA2 0.125kW, El Tigre chA10 10kW.

**R. VALENCIA TV (Comm.)**
**Addr:** Apartado 248, Valencia. **L.P:** Dir. Gen: M. Aché G. Dir. Tec: S. Serrera. **Stations:** YVXO-TV Valencia chA13 12/6kW, Caracas (repeater) YVXD-TV chA13 160/80kW. **D.Prgr:** 22.30-04.30.

**VENEVISION (Comm.)**
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**Addr:** la Avenide Sta. Eduvigis, Caracas. **L.P:** Gen. Mgr: A. Espina. Dir. Tec: M. Sapkowski. Film Buyer: A. Flores. **Station:** YVPX-TV Caracas chA11 125/62.5kW H. **D.Prgr:** 20.00-03.00. **F.Pl:** chA3 100/20kW to cover Valencia, Maracay and La Victoria.
**TV sets:** 650.000.

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| | 50 | | Mainflingen (Deutschlandfunk) |
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| | 1200 | Rumania | Brasov |
| 164 | 1100/500 | France | Allouis |
| 173 | 500 | USSR | Moscow II |
| | 20 | | Chita |
| 180 | 1000/400 | Germany | Saarlouis (Europe No. 1) |
| 182 | 10 | Sweden | Luleå |
| | 100 | USSR | Leningrad |
| | 240 | Turkey | Ankara (TAR) |
| 185 | 1000/200 | Germany | Berlin (Deutschlandsender.) |
| 191 | 600 | Sweden | Motala |
| 200 | 400 | Great Britain | Droitwich (Radio 2) |
| | 1500 | USSR | Moscow III |
| 209 | 100 | Iceland | Reykjavik |
| | 20 | | Eidar |
| | 150 | USSR | Kiev I |
| 218 | 1250 | Monaco | Monte-Carlo |
| | 200 | Norway | Oslo |
| 227 | 500 | Poland | Warsaw I |
| 233 | 600 | Luxembourg | Luxembourg I |
| 236 | 100 | USSR | Leningrad I |
| 245 | 150 | Denmark | Kalundborg I |
| | 100 | Turkey | Erzurum |
| 254 | 200 | Finland | Lahti |
| 263 | 100 | Germany | Berlin (R. Volga) |
| | 150 | USSR | Moscow I |
| 272 | 200 | Czechoslovakia | Uherske-Hradiste (CS I) |
| 281 | 100 | USSR | Minsk II |
| 385 | 50 | USSR | Kharkov |
| 395 | 100 | USSR | Moscow IV |
| 400 | 50 | USSR | Minsk II |
| 433 | 10 | Finland | Oulu |
| 520 | 10 | Austria | Aldrans II |
| | 10 | | Lienz II |
| | 10 | | Liezen II |
| | 1 | Finland | Joensuu |
| | 2 | Germany | Braunschweig (NDR) |
| | 0.2 | | 3 low power (BR) |
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| | 300 | Algeria | Oran I |
| 555 | 5 | Rumania | Bucuresti |
| 557 | | Albania | Tirana |
| | 100 | Finland | Helsinki I |
| | 5 | Germany | Greifswald (R.DDR) |
| | 1 | Portugal | Faro |
| | 1 | | Guarda |
| | 100 | Switzerland | Monte Ceneri |
| | 1 | Algeria | Touggourt |
| | 50 | UAR (Egypt) | Cairo III |
| 566 | 0.1 | Austria | Feistritz |
| | 0.05 | | 5 low power |
| | 100/20 | Germany | Berlin (SFB) |
| | 100 | Ireland | Athlone |
| | 25 | Italy | Caltanisetta I |
| | 5 | | Salento I |
| | 300 | Syria | Homs |
| 575 | 120 | Germany | Leipzig (R.DDR) |
| | 300 | Germany | Mühlacker (SDR) |
| | 100 | USSR | Riga I |
| | 4 | Algeria | Laghouat |
| | 50 | Israel | Tel Aviv |
| 584 | 150 | Austria | Vienna I |
| | 25 | | Klagenfurt I |
| | 10 | | Salzburg I |
| | 0.05 | | Mayrhofen |
| | 5 | Faeroe Isl. | Tórshavn |
| | 1 | France | Paris III |
| | 200 | Spain | Madrid (RNE) |
| | 1 | Tunisia | Sfax |
| 593 | 200 | Bulgaria | Sofia I |
| | 150 | Germany | Frankfurt (HR) |
| | 20 | | Meissner (HR) |
| | 150 | Sweden | Sundsvall |
| | 100 | Morocco | Oujda I |
| 602 | 300 | France | Lyon I |
| | 20 | Germany | Karl-Marx Stadt |
| | | | (Berliner Rundfunk) |
| | 5 | Tunisia | Sfax II |
| | 50 | UAR (Egypt) | Beni Suef I |
| | 2 | Syria | Damascus |
| 606 | 20 | Cyprus | Nicosia (CBS) |
| 611 | 500 | Germany | Berlin (Berliner Rundfunk) |
| | 10 | Germany | Grafenwöhr (AFN) |
| | 10 | | Kaiserslautern (AFN) |
| | 10 | | Nürnberg (AFN) |
| | 20 | USSR | Krasnodar |
| | 100 | | Petrozavodsk |
| | 100 | Yugoslavia | Sarajevo |
| | 140 | Morocco | Sebaa-Aioun I |
| 620 | 150 | Belgium | Brussels I |
| | 100 | Canary Isl. | Tenerife (RNE) |
| | 450 | UAR (Eygpt) | Batra I |
| 628 | 30 | Rumania | Timisoara II |
| 629 | 25 | Austria | Aldrans II |
| | 25 | | Lauterach II |
| | 1 | | Lienz II |
| | 20 | Germany | Erfurt (R.DDR) |
| | 100 | Norway | Vigra |
| | 600 | Tunisia | Tunis I |
| 638 | 150 | Czechoslovakia | Praha |
| | 100 | Spain | La Coruña (RNE) |
| | 100 | Cyprus | Limassol (BBC relay) |
| 647 | 150 | Great Britain | Crowborough (Radio 3) |
| | 150 | | Daventry (Radio 3) |
| | 4 | | Redmoss (Radio 3) |
| | 2 | | Edinburgh (Radio 3) |
| | 2 | | Glasgow (Radio 3) |
| | 2 | | Newcastle/Tyne (Radio 3) |
| | 100 | USSR | Simferopol |
| 650 | 0.3 | Azores | Lajes, Terceira |
| | | | (Portug. Air Force) |
| | 50 | Spanish Sahara | El Aiun (R. Sahara) |
| 656 | 20 | Germany | Potsdam (Berliner Rundfunk) |
| | 80 | Italy | Firenze I |
| | 80 | | Napoli I |
| | 35 | | Torino I |
| | 20 | | Bolzano III |
| | 10 | | Venezia I |
| | 150 | USSR | Murmansk |
| | 100 | Israel | Tel Aviv |
| 665 | 300 | Germany | Bodensee-sender (SWF) |
| | 15 | Greece | Athens III |
| | 5 | Iceland | Höfn |
| | 135 | Portugal | Lisbon I |
| | 100 | USSR | Vilnius |
| | 100 | Syria | Damascus |
| 674 | 0.05 | Austria | 8 low power |
| | 150 | France | Marseille I |
| | 10 | Norway | Bodø |
| | 100 | USSR | Tchernovtsy |
| | 100 | Libya | Benghazi |
| 677 | 200 | Israel | Jerusalem |
| 683 | 100 | Germany | Berlin-Britz (RIAS) |
| | 40 | | Hof-Saale (RIAS) |
| | 20 | | Meiningen |
| | 250 | Spain | Sevilla (RNE) |
| | 400 | Yugoslavia | Beograd |
| 692 | 250 | Germany | Suhl (Deutschlandsender) |
| | 150 | Great Britain | Moorside Edge (Radio 4) |
| | 2 | | Cromer (Radio 4) |
| | 2 | | Whitehaven (Radio 4) |
| | 1 | Algeria | Bouira |
| | 20 | Cyprus | Nicosia |
| 701 | 300 | Andorra | R. Andorra |
| | 100 | Czechoslovakia | Banska Bistrica |
| | 200 | | Bratislava II |
| | 2 | | Kosice II |
| | 2 | | Praha Kraj |
| | 2 | | Usti N. Labem |
| | 20 | Norway | Finmark |
| | 5 | Germany | Aachen (WDR) |
| | 5 | | Flensburg (NDR) |
| | 2 | | Aurich (NDR) |
| | 2 | | Lingen (NDR) |
| | 2 | | Siegen (WDR) |
| | 2 | | Herford (WDR) |
| | 140 | Morocco | Sebaa Aioun II |
| | 150 | Turkey | Istanbul (TAW) |

| kHz | kW | Country | Station |
|---|---|---|---|
| 710 | 150 | France | Rennes I |
| | 150 | USSR | Donetsk |
| | 150 | | Tallinn |
| 710 | 100 | UAR (Egypt) | Cairo II (rep. on 707) |
| | 1 | Israel | Jerusalem |
| 719 | 280 | Andorra | Andorra (R. Andorra) |
| | 150 | Germany | München-Holzkirchen (RFE) |
| | 25 | Portugal | Norte |
| | 150 | Sweden | Östersund |
| | 100 | Cyprus | Limassol (BBC relay) |
| | 2 | Syria | Aleppo |
| 728 | 25 | Austria | Klagenfurt II |
| | 250 | Germany | Schwerin (Deutschlandsender) |
| | 150 | Greece | Athens I |
| 737 | 40 | Germany | Hof-Saale (RIAS) |
| | 5 | Iceland | Akureyri |
| | 300 | Poland | Poznan |
| | 250 | Spain | Barcelona (RNE) |
| | 20 | USSR | Moscow II |
| | 200 | Israel | Tel Aviv |
| 746 | 30 | Bulgaria | Plovdiv |
| | 20 | Germany | Cottbus (R.DDR) |
| | 120 | Holland | Hilversum I |
| | 1 | Algeria | Tlemcen |
| | 100 | Syria | Aleppo |
| 755 | 20 | Finland | Kuopio |
| | 40 | Germany | Ravensburg (Deutschlandfunk) |
| | 135 | Portugal | Lisbon II |
| | 135 | Rumania | Timisoara I |
| 760 | 300 | Iraq | Baghdad |
| 764 | 150 | Switzerland | Sottens |
| | 10 | USSR | Odessa |
| 773 | 1 | Austria | Salzburg II |
| | 0.1 | | Leoben |
| | 0.05 | | 11 low power |
| | 30 | Bulgaria | Stolnik |
| | 25 | Spain | San Sebastian (RNE) |
| | 150 | Sweden | Stockholm |
| | 2 | | Malmberget |
| | 0.05 | Yugoslavia | Sljeme |
| | 500 | UAR (Eygpt) | Cairo I |
| 782 | 250 | Germany | Burg (Deutschlandsender) |
| | 100 | Portugal | Miramar (RCP) |
| | 100 | USSR | Kiev II |
| | 2 | Vatican State | Vatican City |
| | 2 | Yugoslavia | Rijeka II |
| | 2 | | Split II |
| | 2 | | Sisak II |
| 786 | 60 | Syria | Tartus |
| 791 | 100 | France | Limoges I |
| | 50 | Greece | Thessaloniki (NBI/VOA) |
| 800 | 100 | Germany | Munich (BR) |
| | 0.15 | Portugal | Regua (R. Alto Douro) |
| | 20 | Spain | Madrid (R. Madrid-EAJ7) |
| | 100 | USSR | Leningrad II |
| | 200 | Jordan | Amman |
| 809 | 100 | Great Britain | Burghead (Radio 4) |
| | 100 | | Westergien |
| | 5 | | Redmoss |
| | 2 | | Dumfries |
| | 5 | Spain | Sevilla (R. Sevilla-EAJ5) |
| | 135 | Yugoslavia | Skopje |
| 818 | 300 | Andorra | Sud-Radio |
| | 10 | Italy | Trieste I |
| | 300 | Poland | Warsaw II |
| | 1 | Morocco | Casablanca I |
| | 450 | UAR | Batra I |
| 827 | 100 | Bulgaria | Sofia II |
| | 40 | Germany | Freiburg (SWF) |
| | 3 | | Kaiserslautern (SWF) |
| | 1.5 | | Baden-Baden (SWF) |
| | 3 | | Trier (SWF) |
| | 0.5 | | Koblenz (SWF) |
| | 5 | Spain | Barcelona (EAJ1) |
| | 20 | Canary Isl. | R. Popular (EAK 92) |
| | 1 | Morocco | Oujda II |
| | 1 | | Rabat I |
| 833 | 1 | Libya | Benghazi (BFBS) |
| 836 | 1 | Azores | Ponta Delgada (CSA 97) |
| | 10 | Finland | Ylivieska |
| | 150 | France | Nancy I |
| | 5 | Spain | Huelva (EFJ 51) |
| | 5 | Spain | Granada (ECS 5) |
| | 20 | USSR | Kharkow |
| | 100 | Lebanon | Beirut |
| 845 | 150 | Italy | Roma II |
| | 1 | Israel | Safad |
| 850 | 0.025 | Turkey | Adana (AFRTS) |
| 854 | 100 | Germany | Berlin-Britz (RIAS) |
| | 150 | Rumania | Bucuresti |
| | 125 | Spain | Murcia (RNE) |
| | 0.05 | Algeria | Setif |
| 863 | 30 | Bulgaria | Blagoevgrad |
| | 300 | France | Paris I |
| | 10 | Syria | Damascus |
| 872 | 150 | Germany | Frankfurt (AFN) |
| | 36 | Hungary | Budapest (R. Petöfi) |
| | 20 | Spain | Zaragoza (EAJ 101) |
| | 150 | USSR | Moscow |
| | 10 | Canary Isl. | Tenerife (EFJ 57) |
| | 50 | UAR (Eygpt) | Cairo V |
| 881 | 100 | Germany | Berlin (R.DDR) |
| | 100 | Great Britain | Washford (Radio 4) |
| | 10 | | Penmon (Radio 4) |
| | 5 | | Towyn (Radio 4) |
| | 2 | | Wrexham (Radio 4) |
| | 100 | Yugoslavia | Titograd |
| | 0.05 | | Slavonski Brod |
| | 0.05 | Israel | Beth Hilel |
| 890 | 20 | Austria | Linz II |
| | 20 | Norway | Bergen |
| | 20 | | Kristiansand |
| | 20 | | Trøndelag |
| | 50 | USSR | Ouchgorod |
| | 200 | Algeria | Algiers II |
| | 7.5 | Cyprus | Limassol (BFBS) |
| 899 | 150 | Italy | Milano I |
| | 1 | Yugoslavia | Vukovar |
| 908 | 250 | Germany | Burg |
| | 140 | Great Britain | Brookmans Park (Radio 4) |
| | 7 | Rumania | Miercurea Ciuc |
| | 200 | Iraq | Thourah |
| 915 | 2 | Cyprus | Paphos (CBC) |
| 917 | 20 | Germany | Reichenbach (Berliner Rfk) |
| | 12 | Spain | Madrid (R. Espana-EAJ 2) |
| | 135 | Yugoslavia | Liubljana I |
| | 5 | Morocco | Tetuan |
| | 1 | | Rabat |
| 926 | 150 | Belgium | Brussels II |
| | 20 | Yugoslavia | Nis |
| | 10 | UAR (Egypt) | Cairo IV |
| 935 | 250 | Germany | Burg |
| | 10 | Germany | Berlin (AFN) |
| | 300 | USSR | Lvov |
| | 100 | Morocco | Agadir I |
| 944 | 0.05 | Austria | Unzmarkt |
| | 100 | France | Toulouse I |
| | 5 | Greece | Larissa (FBS) |
| | 20 | USSR | Voronej |
| 953 | 150 | Czechoslovakia | Brno |
| | 20 | Spain | Madrid (R. Intercontinental) |
| | 10 | Canary Isl. | R. Las Palmas (EAJ 50) |
| 956 | 60 | Syria | Dayr az Sawr |
| 962 | 0.05 | Austria | 10 low power |
| | 100 | Finland | Turku I |
| | 5 | France | Paris (France Culture) |
| | 120 | Tunisia | Tunis II |
| 963 | 2 | Turkey | Istanbul |
| 971 | 300 | Germany | Hamburg (NDR) |
| | 40 | | Hannover (NDR) |
| | 40 | | Oldenburg (NDR) |
| | 5 | | Bonn (WDR) |
| | 5 | | Göttingen (NDR) |
| | 3 | | Kleve (WDR) |
| | 150 | USSR | Smolensk |
| | 1 | Morocco | Marrakesh I |
| | 100 | Turkey | Izmir (TAZ) |
| 980 | 2 | Italy | Trieste |
| | 150 | Sweden | Gothenburg |
| | 200 | Algeria | Algiers I |
| | 5 | UAR (Egypt) | Cairo II |
| 989 | 300 | Germany | Berlin-Britz (RIAS) |
| | 50 | Spain | Madrid (R. Peninsular) |
| | 10 | Lebanon | Beirut |
| 998 | 300 | Andorra | Andorra |
| | 10 | Germany | Heidelberg (SDR) |
| | 0.2 | | Buchen (SDR) |
| | 100 | USSR | Kichinev |
| 1007 | 50 | Greece | Corfu |
| | 120 | Holland | Hilversum II |
| | 10 | Spain | Malaga (R. Peninsular) |
| 1016 | 300 | Germany | Mainz (SWF) |
| | 1 | Algeria | Batna |
| | 1 | Morocco | Tangier III |
| 1025 | 100 | Austria | Dobl I |
| | 100 | | Kronstorf I |
| | 10 | | Lauterach I |
| | 5 | | Mariapfarr I |
| | 0.05 | | 10 low power |
| | 5 | Spain | San Sebastian (EAJ 8) |
| | 2 | | Barcelona (EFE 50) |
| | 2 | | Badajoz (ECS 2) |
| | 1 | Morocco | Rabat II |

| kHz | kW | Country | Station |
|---|---|---|---|
| 1025 | 1 | | Safi I |
| | 100 | Israel | Tel Aviv |
| 1033 | 2 | Turkey | Izmir |
| 1034 | 0.25 | Germany | 2 low power (AFN) |
| | 1 | | Karlsruhe (AFN) |
| | 25 | Italy | Naples II |
| | 25 | | Venice II |
| | 20 | | Milano II |
| | 20 | | San Remo II |
| | 10 | | Genova II |
| | 5 | | Pescara II |
| | 50 | Portugal | Parede (R. Clube Portugues) |
| | 100 | USSR | Tallinn I |
| 1043 | 250 | Germany | Dresden (R.DDR) |
| | 5 | Greece | Thessaloniki II |
| | 25 | Morocco | Sebaa Aioun III |
| 1052 | 0.05 | Austria | 9 low power |
| | 20 | Germany | Suhl (R.DDR) |
| | 120 | Great Britain | Start Point (Radio 4) |
| | 2 | | Barnstaple (Radio 4) |
| | 50 | Rumania | Bacau |
| | 50 | Libya | Tripoli (LBS) |
| | 20 | Morocco | Tetuan I |
| 1061 | 60 | Denmark | Kalundborg II |
| | 20 | Italy | Cagliari I |
| | 1 | | Livorno I |
| | 50 | Portugal | Norte |
| 1063 | 2 | Turkey | Ankara |
| 1070 | 100 | France | Paris II |
| | 20 | USSR | Dnjepropetrovsk |
| 1079 | 20 | Germany | Plauen (Berliner Rundfunk) |
| | 5 | Germany | Bremerhaven (R. Bremen) |
| | 60 | Poland | Katowice |
| | 25 | Spain | Valencia (R. Peninsular) |
| | 1 | Algeria | Souk Ahras |
| | 5 | UAR (Egypt) | Luxor |
| | 5 | | Minia |
| 1088 | 100 | Albania | Tirana |
| | 0.05 | Austria | 2 low power |
| | 150 | Great Britain | Droitwich (Radio 4) |
| | 7.5 | | Postwick (Radio 4) |
| | 20 | USSR | Perm |
| 1097 | 150 | Czechoslovakia | Bratislava |
| | 20 | Spain | Madrid (EFE 14) |
| | 1 | Israel | Haifa |
| 1106 | 100 | Germany | Munich (AFN) |
| | 100 | USSR | Vilnius II |
| | 2 | Spain | Alcoy (EAJ 12) |
| | 2 | | Huesca (EAJ 22) |
| | 2 | | Barcelona (EAJ 35) |
| | 2 | | Linares (EAJ 37) |
| | 2 | | La Coruña (EAJ 41) |
| | 2.5 | | Manresa (EAJ 51) |
| | 2 | | Badajoz (EAJ 52) |
| | 2 | | Salamanca (EAJ 56) |
| | 4 | | Orense (EAJ 57) |
| | 2.5 | | Vitoria (EAJ 62) |
| | 2 | | Leon (EAJ 63) |
| | 2 | Morocco, Spanish | Ceuta (EAJ 46) |
| 1115 | 50 | Italy | Bologna II |
| | 40 | | Bari II |
| | 25 | | Pisa II |
| | 6 | | Trieste II |
| | 5 | | Messina II |
| | 2 | | Aosta II |
| | 1 | Norway | 3 low power |
| | 0.25 | | 3 low power |
| | 0.04 | | Mo i Rana |
| | 2 | Spain | Vigo (EFE 31) |
| | 20 | USSR | Kalingrad |
| | 10 | Morocco | Tangier II |
| 1124 | 0.1 | Austria | 3 low power |
| | 0.05 | | 10 low power |
| | 10 | Belgium | Houdeng-Aye |
| | 10 | Bulgaria | Varna |
| | 10 | Spain | Barcelona (EAJ 15) |
| | 20 | USSR | Leningrad |
| 1133 | 0.02 | Iceland | Alftafjördur |
| | 15 | Spain | Avila (ECS 3) |
| | 5 | | Sevilla (ECS 8) |
| | 5 | | Jaen (ECS 9) |
| | 3 | | Cabra (ECS 12) |
| | 5 | | Ciudad Real (ECS 13) |
| | 3 | | Monforte (ECS 17) |
| | 2 | | Zamora (ECS 19) |
| | 2 | | Palencia (EFE 4) |
| | 5 | | Caceres (EFE 6) |
| | 1 | | Castellon (EFE 19) |
| | 5 | | Tarragona (EFE 33) |
| | 5 | | Pamplona (EFE 57) |
| | 2 | | Cadiz (EFJ 5) |
| | 2 | | Murcia (EFJ 19) |

| kHz | kW | Country | Station |
|---|---|---|---|
| 1133 | 2 | | Almeria (EFJ 25) |
| | 2 | | Ponferrada (EFJ 29) |
| | 2 | | Sama de Langreo (EFJ 41) |
| | 2 | | Bilbao (EFJ 43) |
| | 2 | | Calahorra (EFJ 50) |
| | 2 | | Aranda de Duero (EFJ 51) |
| | 5 | | Malaga (EFJ 56) |
| | 135 | Yugoslavia | Zagreb |
| | 20 | | Rijeka I |
| | 2 | | Dubrovnik/Osijek/Zadar |
| | 10 | Canary Islands | Las Palmas (ECS 4) |
| | 2 | Turkey | Adana |
| 1142 | 0.05 | Austria | 11 low power |
| | 10 | Germany | Stuttgart (AFN) |
| | 5 | | Bremerhaven (AFN) |
| | 1 | | Ulm (AFN) |
| | 0.25 | | 4 low power (AFN) |
| | 20 | Greece | Athens (FBS) |
| | 50 | USSR | Moscow II |
| | 40 | Algeria | Constantine I |
| | 5 | UAR (Eygpt) | Sohag |
| 1146 | 5 | Spain | Zaragoza (EFJ 46) |
| 1147 | 3 | | Zamora (ECS 19) |
| 1151 | 0.1 | Austria | Judenburg |
| | 100 | Great Britain | Stagshaw (Radio 4) |
| | 2 | | Scarborough (Radio 4) |
| | 50 | Rumania | Cluj |
| | 1 | Morocco | Marrakesh II |
| 1160 | 30 | Bulgaria | Kardjali/Shumen |
| | 150 | France | Strasbourg I |
| 1165 | 2 | Turkey | Kars |
| 1169 | 10 | Germany | Heilbronn (SDR) |
| | 5 | | Ulm (SDR) |
| | 10 | Greece | Thessaloniki (FBS) |
| | 10 | Portugal | Porto (R. Renascenca) |
| | 150 | USSR | Kiev |
| | 20 | Yugoslavia | Koper |
| | 1 | Israel | Jerusalem |
| 1178 | 10 | Malta | Delimara Point (BBC relay) |
| | 20 | Spain | Barcelona (R. Peninsular) |
| | 5 | | Oviedo (EFE 22) |
| | 100 | Sweden | Hörby |
| | 10 | UAR (Eygpt) | Assuan/Quena |
| | 2 | Turkey | Van |
| 1187 | 135 | Hungary | Szolnok |
| | 5 | Spain | Cuenca (R. Peninsular) |
| | 1 | Morocco | Casablanca II |
| 1196 | 300 | Germany W | Munich (VOA relay) |
| | 0.1 | Portugal | Portalegre |
| | 10 | UAR (Egypt) | Alexandria |
| 1200 | 0.75 | Turkey | Izmir |
| 1205 | 100 | France | Bordeaux I |
| | 60 | Poland | Krakow/Rzescow |
| | 10 | Israel | Haifa |
| 1210 | 2 | Turkey | Gaziantep |
| 1214 | | Albania | Shkoder |
| | 60 | Great Britain | Washford (Radio 1) |
| | 35 | | Moorside Edge (Radio 1) |
| | 35 | | Brookmans Park (Radio 1) |
| | 30 | | Droitwich (Radio 1) |
| | 25 | | Westerglen (Radio 1) |
| | 20 | | Burghead (Radio 1) |
| | 10 | | Lisnagarvey (Radio 1) |
| | 2 | | Newcastle/Tyne (Radio 1) |
| | 2 | | Redmoss (Radio 1) |
| | 2 | | Redruth (Radio 1) |
| | 1 | | Brighton (Radio 1) |
| | 1 | | Fareham (Radio 1) |
| | 1 | | Postwick (Radio 1) |
| | 0.5 | | Londonderry (Radio 1) |
| | 0.5 | | Plymouth (Radio 1) |
| | 0.15 | | Hull (Radio 1) |
| | 1 | Malta | Bugibba |
| | 20 | USSR | Tallinn II |
| | 20 | | Kursk |
| | 0.05 | Yugoslavia | Bjelovar |
| | 5 | Libya | Tripoli (LBS) |
| 1223 | 30 | Bulgaria | Stara Zagora |
| | 0.05 | Holland | Bloemendaal (R. Bloemendaal) |
| | 5 | Italy | Rimini |
| | 50 | Spain | Madrid III (RNE) |
| | 100 | Sweden | Falun |
| 1232 | 100 | Czechoslovakia | Kosice |
| | 2 | | Hradex-Kralove/Orava |
| | 50 | Morocco | Tangier I |
| 1241 | 25 | Finland | Vaasa |
| | 24 | France | Rennes II |
| | 20 | | Lille/Lyon/Marseille/Nancy II |
| | | | Nice/Brest II |
| | 50 | USSR | Odessa |
| | 0.05 | Yugoslavia | Crnomelj |
| 1250 | 10 | Holland | Lopik III |
| | 135 | Hungary | Balatonszabadi |

| kHz | kW | Country | Station |
|---|---|---|---|
| 1250 | 10 | Ireland | Cork |
| | 10 | | Dublin |
| 1259 | 150 | Greece | Rhodes (VOA relay) |
| | 100 | Poland | Wroclaw |
| | 30 | | Zielona Gora |
| | 3.5 | Spain | Valencia (EAJ 3) |
| | 5 | | Badajoz |
| 1268 | 20 | Spain | Madrid (EAK 1) |
| | 20 | | Palma de Mallorca (EAK 18) |
| | 2 | | El Ferro (EAK 43) |
| | 100 | Yugoslavia | Novi Sad |
| | 300 | Germany | Neumünster (DLF) |
| | 10 | Canary Isl. | Las Palmas (EAK 35) |
| 1275 | 0.4 | Albania | Gjirokastra |
| 1277 | 100 | France | Strasbourg II |
| | 20 | USSR | Moscow III |
| | 10 | UAR (Eygpt) | Assuan II |
| | 10 | | Alexandria |
| 1286 | 100 | Czechoslovakia | Praha-Melnik |
| | 3.5 | | Rimavska-Sobota |
| | 2.5 | Portugal | Lisbon (R. Renascenca) |
| | 7.5 | Israel | Tel Aviv (Galei Zahal) |
| 1295 | 30 | Bulgaria | Kolarvgrad |
| | 5 | Germany | Berlin (BBC relay) |
| | 150 | Great Britain | Crowborough |
| | 1/0.2 | | Foxdale, Isle of Man |
| | 1 | Morocco | Rabat III |
| | 2 | Turkey | Antalya |
| 1304 | 1 | Germany | Heidelberg (AFN) |
| | 0.25 | | 5 low power (AFN) |
| | 160 | Poland | Szczecin |
| | 60 | | Gdansk |
| | 20 | Algeria | Constantine/Oran II |
| | 1 | Israel | Haifa (Galei Zahal) |
| 1313 | 0.1 | Austria | Knittelfeld/Kötschach |
| | 0.05 | | 13 low power |
| | 1 | Greece | Florina (FBS) |
| | 2 | Italy | Pesaro |
| | 100 | Norway | Stavanger |
| | 2 | Rumania | Constantza |
| | 5 | Spain | Sevilla (R. Peninsular) |
| | 50 | USSR | Simferopol |
| | 0.05 | Yugoslavia | Nasice |
| 1322 | 150 | Germany | Leipzig (Moscow Relay) |
| | 0.5 | Portugal | Santarém (R. Ribatejo) |
| | 100 | USSR | Kharkov |
| | 1 | Morocco | Safi II |
| 1331 | 80 | Italy | Roma I |
| | 50 | | Genova I |
| | 25 | | Bologna/Pescara I |
| | 20 | | Bari I |
| | 12.5 | | Palermo I |
| | 2 | | Aosta/Catania I |
| | 1 | | Trento |
| | 0.1 | Portugal | Elvas (EN) |
| | 20 | USSR | Pärnu/Kothla-Järve |
| | 0.05 | Yugoslavia | Breko |
| 1340 | 100 | Great Britain | Lisnagarvey (Radio 4) |
| | 0.25 | | Londonderry (Radio 4) |
| | 25 | Hungary | Nyiregyháza |
| | 25 | | Szombathely |
| | 25 | | Pécs |
| 1343 | 0.25 | Morocco | B.Melial I |
| 1349 | 20 | France | Bordeaux/Grenoble |
| | 20 | | Limoges/Toulouse |
| | 10 | | Nantes |
| | 0.5 | Hungary | Szolnok |
| | 0.4 | | Gyoer |
| | 20 | USSR | Kuldiga/Madona/Valmiera |
| 1352 | 10 | Syria | Dayr Az Zawr |
| 1355 | 1 | Greece | Kavalla (FBS) |
| 1358 | 250 | Germany | Berlin (Berliner Welle) |
| | 20 | Germany | Bremen |
| | 1 | Portugal | Viseu (EN) |
| | 0.05 | Yugoslavia | Bjurdjevac |
| | 0.25 | | Nampula |
| | 0.05 | Israel | Eilat |
| 1363 | 0.05 | Yugoslavia | Molve |
| 1367 | 25 | Italy | Venice |
| | 12.5 | | Naples |
| | 10 | | Genova/Milano |
| | 5 | | Rome/Torino |
| | 2 | | Palermo/Sassari/Verona/Firenze |
| | 1 | | Bari/Bologna/Catania/ Messina/Pisa |
| | 0.1 | | Trento |
| | 60 | Poland | Bialystok/Lodz/Lublin |
| | 10 | Portugal | Porto (EN) |
| | 0.5 | Switzerland | Savièse |
| | 20 | USSR | Moscow |
| | 5 | Israel | Beersheva |

| kHz | kW | Country | Station |
|---|---|---|---|
| 1376 | 150 | France | Lille I |
| | 50 | USSR | Kiev III |
| | 50 | Greece | Athens II |
| | 25 | Spain | Madrid (ECS 1) |
| | 2 | | La Coruña (EFJ 11) |
| | 2 | | Inca (EFJ 45) |
| | 150 | USSR | Kaunas |
| | 2 | Canary Isl. | Las Palmas (ECS 16) |
| 1394 | 100 | Albania | Shkoder |
| | 25 | Austria | Graz II |
| | 0.2 | | Spittal/Zell am Zee |
| | 0.05 | | 13 low power |
| | 1 | Azores | Angra (R. Clube de Angra) |
| | 1 | Germany | Augsburg (AFN) |
| | 0.25 | | Bitburg/Hof (AFN) |
| | 2 | Spain | Zaragoza (EAK 6) |
| | 2 | | Palma de Mallorca (EAK 18) |
| | 2 | | Badajoz (EAK 21) |
| | 2 | | Alicante (EAK 31) |
| | 2 | | Vigo (EAK 33) |
| | 2 | | San Sebastian (EAK 44) |
| | 2 | | Albacete (EAK 46) |
| | 2 | | Réus (EAK 53) |
| | 2 | | Santander (EAK 68) |
| | 2 | | Almeria (EAK 69) |
| | 0.25 | Sweden | Gothenburg/Stockholm III |
| | 0.15 | | 17 low power |
| | 0.05 | Yugoslavia | Hlebine |
| | 1 | Canary Islands | S. Cruz de Tenerife (EAJ 43) |
| | 10 | Libya | Tobruk (LBS) |
| 1396 | | Spain | Astorga (EAK 26) |
| 1397 | | | Cordoba (EAK 90) |
| 1398 | 2 | | Zamora (EAK 28) |
| 1403 | 20 | France | Brest/Clermont-Ferrand/ Pau/Rouen |
| | 10 | | Montpellier |
| | 4 | | Bastia |
| | 5 | Greece | Comotini (NBI) |
| | 20 | USSR | Tartu |
| | 10 | | Kiev III/Orissare |
| | 1 | Yugoslavia | Loznica |
| 1412 | 2 | Finland | Helsinki II |
| | 0.4 | | Turku II |
| | 3 | Germany | Bad Mergentheim (SDR) |
| | 0.02 | Iceland | 4 low power |
| | 2 | Spain | Pampona (EAJ 6) |
| | 2 | | Castellón (EAJ 14) |
| | 2 | | Granada (EAJ 16) |
| | 2 | | Murcia (EAJ 17) |
| | 2 | | Tarrasa (EAJ 25) |
| | 2 | | Antequera (EAJ 26) |
| | 2 | | Burgos (EAJ 27) |
| | 5 | | Bilbao (EAJ 28) |
| | 2 | | Gijón (EAJ 34) |
| | 2 | | Algeciras (EAJ 55) |
| | 2 | | Segovia (EAJ 64) |
| | 2 | | Ciudad Real (EAJ 65) |
| | 100 | Yugoslavia | Pristina |
| | 20 | | Gospic |
| | | | Maribor |
| | 2 | | Osijek |
| 1421 | 1 | Finland | Tampere |
| | 400 | Germany | Heusweiler (Europawelle Saar) |
| | 10 | USSR | Riga |
| | 0.025 | Yugoslavia | Novigrad Podr. |
| | 40 | Algeria | Algiers III |
| | 7.5 | Cyprus | Limassol (BBC relay) |
| 1428 | 1 | Malta | Halfaya (FBS) |
| 1430 | 70 | Denmark | Skive |
| | 10 | | Copenhagen II |
| | 250 | Germany | Berlin (Radio Berlin Intern.) |
| | 6 | Rumania | Baia Mare |
| | 2 | Spain | Valencia (EAK 5) |
| | 2 | | Barcelona (EAK 7) |
| | 2 | | Valladolid (EAK 9) |
| | 2 | | Malaga (EAK 11) |
| | | | Huelva (EAK 14) |
| | 2 | | Lérida (EAK 15) |
| | 2 | | Puertollano (EAK 23) |
| | 2 | | León (EAK 25) |
| | 2 | | Lorca (EAK 29) |
| | 2 | | Caceres (EAK 57) |
| | 2 | | Lugo (EAK 58) |
| | 2 | | Mahon, Menorca (EAK 67) |
| | 2 | | Figueras (EAK 82) |
| | 2 | Canary Isl. | Güimar (EAK 83) |
| | 0.05 | Yugoslavia | Gradacac |
| 1439 | 350 | Luexembourg | Luxembourg |
| | 50 | USSR | Kiev II |
| | 1 | Libya | Tobruk (BFBS) |
| | 1 | Cyprus | Nicosia |
| 1448 | 20 | Italy | Torino II |
| | 12.5 | | Palermo II |

| kHz | kW | Country | Station |
|---|---|---|---|
| 1448 | 9 | | Salento II |
| | 5 | | Ancona/Catania/Firenze |
| | | | Sassari II |
| | 2 | | Udine/Verona II |
| | 1 | | 17 low power |
| | 0.1 | | 10 low power |
| | 1 | Portugal | Coimbra (EN) |
| | 2 | Sweden | Jönköping/Trollhättan/ |
| | | | Umeå/Västerås I |
| | 1.5 | | Hälsingborg/Hudiksvall/ |
| | | | Karlskrona I |
| | 0.5 | | Gävle/Visby I |
| | 0.15 | | Falkenberg/Kristinehamn/ |
| | | | Säffle I |
| 1455 | 1 | Israel | Jerusalem (Galei Zahal) |
| 1457 | 0.1 | Austria | Judenburg I |
| | 0.05 | | 3 low power |
| | 20 | Great Britain | Clevedon (Radio 4) |
| | 10 | | Bartley (Radio 4) |
| | 2 | | Bexhill/Brighton/Redruth |
| | | | (Radio 4) |
| | 1 | | Folkestone (Radio 4) |
| | 20 | Rumania | Craiova |
| 1460 | 0.05 | Portugal | Caramulo (Radio Polo Norte) |
| 1463 | Spain | | Jaen (EAK 40) |
| | 2 | | Orense (ESC 19) |
| 1466 | 400 | Monaco | Monte Carlo |
| | 1 | Norway | Kautokeino/Narvik/ |
| | | | Longyearbyen |
| | 0.25 | | 4 low power |
| | 20 | USSR | Kiev II |
| | 0.05 | Yugoslavia | Delcevo |
| 1475 | 150 | Austria | Vienna II |
| | 0.05 | | 4 low power |
| | 2 | Spain | Reus (EAJ 11) |
| | 5 | | Palma de Mallorca (EAJ 13) |
| | 2 | | Logroño (EAJ 18) |
| | 2 | | Oviedo (EAJ 19) |
| | 3 | | Sabadell (EAJ 20) |
| | 2 | | Gandia (EAJ 23) |
| | 2 | | Córdoba (EAJ 24) |
| | 2 | | Antequera (EAJ 26) |
| | 1 | | Onteniente (EAJ 30) |
| | 1 | | Santander (EAJ 32) |
| | 2 | | Pontevedra (EAJ 40) |
| | 5 | | Elche (EAJ 53) |
| | 2 | | Cádiz (EAJ 59) |
| | 2 | | Almeria (EAJ 60) |
| | 1 | | Zamora (EAJ 72) |
| 1480 | 0.4 | Canary Islands | Orotava (ECS 25) |
| 1484 | 0.2 | Austria | St. Pölten |
| | 5 | Belgium | Liege |
| | 0.5 | | Kortrijk |
| | 2 | Bulgaria | Sofia |
| | 2 | Czechoslovakia | Praha/Bratislava |
| | 2 | Denmark | Copenhagen I |
| | 0.25 | | Ålborg/Tønder |
| | 1 | Finland | Pietarssari/Pori |
| | 1 | France | Dijon/Montpellier/Perpignan/ |
| | | | Poitiers/Grenoble |
| | 0.05 | | 2 low power |
| | 1 | Gibraltar | Wellington Front |
| | 5 | Germany | Berlin (Sender Freies Berlin II) |
| | 0.2 | | 4 low power (SDR) |
| | 2 | Great Britain | Barrow/Ramsgate (Radio 4) |
| | 1 | Greece | Volos |
| | 0.25 | Iceland | Keflavik (AFRTS) |
| | 0.02 | | 3 low power (Rikisutvarpid) |
| | 2 | Italy | Bolzano II |
| | 1 | | Avellino/Cosenza/Nuoro II |
| | 0.1 | | 10 low power |
| | 1 | Norway | Karasjok |
| | 0.25 | | 4 low power |
| | 8 | Poland | Lodz |
| | 2 | | Slupsk/Zakopane/Kielce/ |
| | | | Zielona Gora/Olsztyn |
| | 0.1 | Portugal | Portoalegre |
| 1484 | 2 | Rumania | Baja Mare/Brasov/Resita/ |
| | | | Sibiu/Tg. Mures |
| | 2 | Yugoslavia | Celje/Murska Sobota/Pula |
| | | | Tuzla/Mostar/Bitola |
| | 2 | | Gostivar/Ohrid |
| | 2 | | Ljubljana III |
| | 0.4 | | Skopje II |
| | 0.2 | | Trzic/Jaice |
| | 0.15 | | 4 low power |
| | 0.05 | | 12 low power |
| | 0.035 | | Prilep |
| | 0.02 | | Struga |
| | 5 | Spain | Teruel (ESC 1) |
| | 5 | USSR | Riga III |
| | 10 | Libya | Benghazi (LBS) |

| kHz | kW | Country | Station |
|---|---|---|---|
| 1484 | 1 | | Tobruk (BFBS) |
| | 1 | Madeira | Funchal (CSB 90) |
| | 1 | Morocco | Casablanca III |
| | 0.35 | | Kenitra (AFRTS) |
| | 0.5 | Cyprus | Limassol (CBC) |
| 1489 | 0.02 | Iceland | Hellissandur |
| 1493 | 0.05 | Austria | 4 low power |
| | 4 | France | Bayonne |
| | 1 | | Ajaccio/Besançon/Marseille/ |
| | | | Strasbourg |
| | 0.05 | | 5 low power |
| | 5 | Greece | Rhodes |
| | 50 | USSR | Leningrad |
| | 20 | | Gomel |
| | 7 | Yugoslavia | Zagreb II |
| | 2 | | Buje/Dubrovnik/Murska Sobota |
| | 0.05 | | 3 low power |
| 1495 | 0.02 | Yugoslavia | Kavadarci |
| 1500 | 0.25 | Azores | Lajes (AFRTS) |
| | 0.2 | Yugoslavia | Kumanovo |
| 1502 | 0.8 | Germany | Münster (WDR) |
| | 0,25 | | 4 low power (AFN) |
| | 0.05 | | Wildflecken (AFN) |
| | 2 | Spain | Sevilla (EAK 2) |
| | 2 | | Burgos (EAK 3) |
| | 2 | | Pamplona (EAK 4) |
| | 2 | | Murcia (EAK 12) |
| | 2 | | Bilbao (EAK 13) |
| | 2 | | Salamanca (EAK 19) |
| | 2 | | Ciudad Real (EAK 22) |
| | 2 | | Ibiza (EAK 24) |
| | 2 | | Granada (EAK 39) |
| | 2 | | Guadalajara (EAK 52) |
| | 2 | | Orense (EAK 59) |
| | 2 | | Castellon (EAK 78) |
| | 2 | | Asturias (EAK 91) |
| | 300 | Poland | Warsaw |
| | 0.05 | Yugoslavia | Slovenj Gradec |
| | 2 | Canary Isl. | Guimar, Tenerife (EAK 83) |
| | 1 | Cyprus | Nicosia (FBS) |
| 1510 | 0.02 | Iceland | Tórshöfn/Kópasker |
| 1511 | 20 | Belgium | Brussels III |
| | 250 | Germany | Berlin (R. Berlin International) |
| | 5 | Greece | Chania (NBI) |
| | 0.2 | | Patras (NBI) |
| | 0.05 | Yugoslavia | Ptuj |
| 1520 | 100 | Czechoslovakia | Prague |
| | 30 | | Ostrava |
| | 15 | | Karlovy Vary |
| | 5 | | Ceske Budejovice |
| | 2 | | Liberec |
| | 0.02 | Iceland | Reydarfjördur |
| | 2 | Spain | Alicante (EAJ 31) |
| | 2 | | Gerona (EAJ 38) |
| | 5 | | Barcelona (EAJ 39) |
| | 2 | | Lérida (EAJ 42) |
| | 2 | | Albacete (EAJ 44) |
| | 2 | | Valladolid (EAJ 47) |
| | 5 | | Vigo (EAJ 48) |
| | 2 | | Toledo (EAJ 49) |
| | 2 | | Alcira (EAJ 54) |
| | 1 | | Jerez (EAJ 58) |
| | 2 | | Jaén (EAJ 61) |
| | 1 | | Lugo (EAJ 68) |
| | 0.05 | Yugoslavia | Petrinja |
| | 1 | Morocco (Spanish) | Melilla (EAJ 21) |
| 1529 | 0.075 | Sweden | Porjus I |
| | 250 | Vatican State | Vatican City |
| | 0.3 | Madeira | Funchal (CSB 91) |
| 1538 | 350 | Germany | Mainflingen (Deutschlandfunk) |
| 1546 | 0.05 | Austria | 5 low power |
| | 5 | Germany | Seelow (R.DDR) |
| | 1 | Great Britain | 8 low power (Radio 3) |
| | 0.25 | | 5 low power (Radio 3) |
| | 50 | USSR | Vinnitza |
| 1552 | 0.2 | Yugoslavia | Stip |
| 1554 | 150 | France | Nice I |
| | 20 | USSR | Turi |
| 1562 | 0.05 | Austria | Obdach |
| | 1.25 | Greece | Amalias (NBI) |
| | 10 | Intern. Waters | Radio Veronica |
| | 1 | Portugal | Covilha (EN) |
| | 2 | Sweden | 6 low power |
| | 1.5 | | 4 low power |
| | 0.5 | | 3 low power |
| | 0.06 | | Söderhamn I |
| | 0.5 | Switzerland | Basel/Chur/Sool |
| | 0.05 | Yugoslavia | Brezice |
| 1570 | 1 | Azores | Santa Maria (CSB 81) |
| | 20 | Germany E | Bernburg (R.DDR) |
| | 5 | Germany W | Kiel/Osnabrück (NDR) |

| kHz | kW | Country | Station |
|---|---|---|---|
| 1570 | 0.25 | Greece | Heraklion (AFRTS) |
| | 2 | Spain | Valladolid (EFE 1) |
| | 2 | | Léon (EFE 5) |
| | 2 | | Alicante (EFE 8) |
| | 2 | | Vitoria (EFE 10) |
| | 5 | | Valencia (EFE 17) |
| | 5 | | San Sebastian (EFE 23) |
| | 2 | | Santander (EFE 25) |
| | 2 | | Cordoba (EFE 58) |
| | 2 | | Tortosa (ECS 6) |
| | 2 | | Tárrega (ECS 7) |
| | 2 | | Socuellamos (ECS 10) |
| | 2 | | Gerona (ECS 14) |
| | 5 | | Marbella (ECS 15) |
| | 2 | | Soria (EFJ 2) |
| | 2 | | Albacete (EFJ 23) |
| | 2 | | Béjar (EFJ 38) |
| | 10 | USSR | Moscow II |
| | 0.05 | Yugoslavia | Vrbovsko |
| | 0.05 | Turkey | Diyarbakir (AFRTS) |
| 1578 | 2 | Italy | Ancona/Verona/Reggio/Sassari I |
| | 1 | | 12 low power |
| | 0.1 | | 3 low power |
| | 10 | Norway | Fredrikstad |
| | 1.3 | | Nordkapp |
| | 10 | Portugal | Porto (CSB 5) |
| 1586 | 400 | Germany | Langenberg (WDR) |
| | 10 | USSR | Moscow II |
| 1590 | 0.05 | Turkey | 2 low power (AFRTS) |
| 1594 | 0.05 | Austria | 3 low power |
| | 5 | Belgium | Bredene |
| | 2 | Czechoslovakia | Ostrava/Tatry/Zilina |
| | 2 | Denmark | Esbjerg |
| | 1 | France | Nimes/Toulon |
| | 0.05 | | 4 low power |
| | 1/0.2 | Great Britain | Faxdale/Isle of Man (Manx R.) |
| | 1 | Greece | Athens (AFRTS) |
| | 7.5 | Holland | Hengelo/Hoogezand/Hulsberg |
| | 15 | Hungary | Balatonszabadi/Miskolc |
| | 0.4 | | Magyarovar |
| | 2 | Italy | Bolzano/Trieste III |
| | 1 | | Brunico/Cagliari/Livorno/ Merano III |
| | 0.1 | | Bressanone |
| | 1 | Poland | Gizycko/Koszalin/Opole |
| | 10 | Portugal | Lisboa (CSB 4) |
| | 0.2 | Sweden | Jönköping |
| | 0.15 | | 5 low power |
| | 0.08 | | Porjus |
| | 0.05 | Yugoslavia | 10 low power |
| | 0.6 | Algeria | Bougie |
| | 5 | Libya | Benghazi (LBS) |
| | 1 | | Wheelus Field (AFRTS) |
| | 1 | Morocco | Marrakech |
| 1602 | 40 | Germany | Nürnberg (BR) |
| | 20 | | Kirchheim/Land./Isar (BR) |
| | 1 | | Coburg/Hof/Regensburg (BR) |

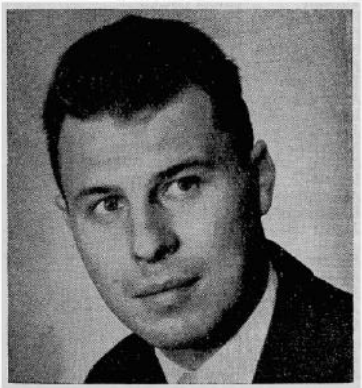
## AFRICA (exc. North African countries)

**(Stations below 5kW not mentioned)**

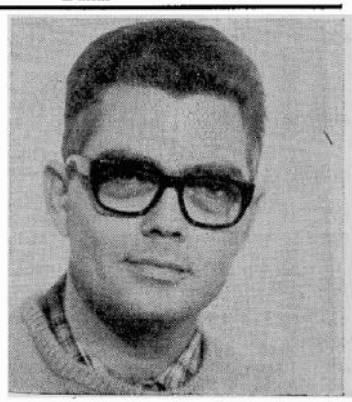
| kHz | kW | Country | Station |
|---|---|---|---|
| 548 | 20 | Zambia | Kitwe |
| 557 | 10 | Rep. of S. Afr. | Cape Town |
| 566 | 5 | Rep. of S. Afr. | Durban |
| 572 | 50 | Sudan | Omdurman |
| 575 | 5 | Rep. of S. Afr. | Johannesburg |
| 584 | 50 | Uganda | Kampala |
| 593 | 10/250 | Nigeria | Kaduna |
| | 5 | Rep. of S. Afr. | Bloemfontein |
| 602 | 50 | Botswana | Francistown (BBC Relay) |
| | 10 | Nigeria | Abafon (WNBS) |
| 611 | 100 | Kenya | Nairobi |
| 620 | 500 | Nigeria | Enugu (ENBC) |
| | 5 | Rep. of S. Afr. | Grahamstown |
| 638 | 5 | Rep. of S. Afr. | Johannesburg |
| | 100 | Tanzania | Dar es Salaam |
| 650 | 10 | Liberia | Monrovia (ELBC) |
| 656 | 10 | Nigeria | Ibadan (WNBS) |
| | 10 | Rep. of S. Afr. | Cape Town |
| 665 | 5 | Rep. of S. Afr. | Pietermaritzburg |
| 674 | 5 | Rep. of S. Afr. | Bloemfontein |
| 683 | 50 | Kenya | Nairobi |
| 701 | 5 | Rep. of S. Afr. | Grahamstown |
| 710 | 10 | Liberia | Monrovia (ELWA) |
| 719 | 5 | Rep. of S. Afr. | Johannesburg |
| 728 | 10 | Rep. of S. Afr. | Cape Town |
| | 10 | Uganda | Kampala |
| 737 | 50 | Mozambique | Lorenço Marques |
| 746 | 20 | Zambia | Kitwe |
| 750 | 100 | Kenya | Nairobi |
| 760 | 5 | S. Tomé | São Tomé (R. Clube) |
| 764 | 10 | Malawi | Blantyre-Limbe |
| | 5 | Rep. of S. Afr. | Pietermaritzburg |
| | 200 | Senegal | Dakar |
| 782 | 5 | Rep. of S. Afr. | Bloemfontein |
| 791 | 20 | Kenya | Mombasa |
| 800 | 5 | Rep. of S. Afr. | Durban |
| 809 | 5 | Rep. of S. Afr. | Grahamstown |
| 827 | 5 | Rep. of S. Afr. | Johannesburg |
| 840 | 100 | Ethiopia | Harrar |
| 845 | 5 | Rep. of S. Afr. | Pietermaritzburg |
| 863 | 5 | Rep. of S. Afr. | Pietersburg |
| 870 | 100 | Ethiopia | Addis Ababa |
| 872 | 10 | Angola | Luanda (CR6RZ) |
| 881 | 10 | Swaziland | Mbabane |
| 917 | 50 | Mozambique | Lourenço Marques |
| 926 | 50 | Botswana | Francistown (BBC relay |
| 940 | 50 | Ethiopia | Asmara |
| 953 | 5 | Kenya | Kisumu |
| 989 | 5 | Rep. of S. Afr. | Pietersburg |
| 1034 | 5 | Rep. of S. Afr. | Johannesburg |
| 1088 | 10 | Nigeria | Lagos (R. Nigeria) |
| 1115 | 5 | Rep. of S. Afr. | Pietersburg |
| 1124 | 10/100 | Angola | Luanda (Emis Oficial) |
| 1169 | 2/10 | Lesotho | Maseru |
| 1200 | 10 | Sierra Leone | Freetown |
| 1268 | 5 | Kenya | Nairobi |
| 1286 | 5 | Rep. of S. Afr. | Johannesburg |
| 1295 | 10 | Mozambique | Lourenco Marques |
| 1320 | 10 | Nigeria | Enugu (R. Nigeria) |
| 1358 | 50 | Mozambique | Lourenco Marques |
| | 10 | Nigeria | Ibadan (R. Nigeria) |
| 1403 | 100 | Guinea | Conakry |
| 1412 | 1/100 | Angola | Luanda (Emis. Oficial) |
| 1430 | 60 | Mali | Bamako |
| 1529 | 1 | Angola | Benguela |
| 1438 | 10 | Senegal | Dakar |

## CO-OPERATORS

(see also page 297)



Lars Rydén, Sweden



J. Dahl Hansen, Singapore.

# ASIA & PACIFIC

**(Asian stations below 5kW and Pacific stations below 2kW not mentioned)**

| kHz | kW | Call | Country | Location |
|---|---|---|---|---|
| 155 | 10 | | USSR | Petropavlovsk, Kamchatka |
| 164 | 50 | RV11 | | Tashkent Uzhekistan |
| 173 | 10 | RV52 | | Chita |
| 182 | 50 | RV90 | | Alma-Ata, Kazakhstan |
| 191 | 20 | | | Khabarovsk I |
| 200 | 100 | RV13 | | Irkutsk |
| 209 | 20 | | | Khabarovsk II |
| | 150 | | Mongolia | Ulan Bator |
| 218 | 50 | RV128 | USSR | Krasnoyarsk |
| 227 | 150 | | Mongolia | Ulan Bator |
| | 50 | | USSR | Tselinograd, Kazakhstan |
| 236 | 20 | | | Magadan |
| 245 | 100 | RV162 | | Vladivostok |
| 254 | 50 | RV47 | | Dushanbe, Tadjikistan |
| 272 | 100 | RV76 | | Novosibirsk |
| 281 | 10 | RV63 | | Ulan-Ude |
| 335 | 150 | RV69 | | Khabarovsk |
| 350 | 50 | | | Dushanbe |
| 360 | 100 | | | Yuzhno-Sakhalinsk |
| 375 | 10 | RV19 | | Ashkhabad, Turkmenia |
| 390 | 50 | RV49 | | Omsk |
| 400 | 50 | | | Tashkent II |
| 530 | 10 | 5DL | Australia | Dalwallinu, W.A. (ABC) |
| 540 | 10 | 4QL | | Longreach, Qld. (ABC) |
| | 2 | 7SD | | Scottsdale, Tasmania |
| | 5 | JOJG | Japan | Yamagata, NHK I |
| | 5 | | Korea (South) | Chulwon, (VUNC) |
| | 50 | | Vietnam (South) | Saigon,(AFRS) |
| 548 | 100 | RV445 | USSR | Vladivostok |
| 550 | 50 | 2CR | Australia | Orange, N.S.W. (ABC) |
| | 20 | | India | Bombay B |
| | 5 | | Malaysia | Ipoh (Malay Sce.) |
| 560 | 50 | 6WA | Australia | Wagin, W.A. (ABC) |
| | 2/1 | 7BU | | Burnie, Tasmania |
| | 135 | | China P.R. | Peking |
| | 10 | | Fiji | Suva |
| | 5 | | India | Ranchi |
| | 10 | JOCR | Japan | Kobe |
| | 5 | | Korea (South) | Seoul (AFKN) |
| 565 | 10 | | Malaysia | Tenom, Sabah |
| 570 | 100 | JOIK | Japan | Sapporo, NHK I |
| | 10 | HLKF | Korea, South | Chonju (KBS) |
| | 10 | | Malaysia | Johore Bahru (Malay Sce.) |
| | 100 | 2YA | New Zealand | Wellington |
| | 10 | DYCB | Philippines | Cebu City |
| 580 | 50 | 3WV | Australia | Horsham, Vic. (ABC) |
| 575 | 10 | HLKR | Korea (South) | Kangung (KBS) |
| | 20 | | India | Trichur |
| | 10 | JOHG | Japan | Kagoshima, NHK I |
| | 5 | | Korea, South | Taegu (AFKN) |
| | 10 | | Pakistan | Peshawar |
| | 10 | DZBB | Philippines | Quezon City |
| 590 | 50 | 4QR | Australia | Brisbane, Qld. |
| | 5 | KGBM | Hawaii | Pilhonua, Hilo |
| | 10 | | India | Nagpur A |
| | 100 | | Japan | Tokyo, NHK I |
| | 20 | | Malaysia | Kuala Lumpur (Malay Sce.) |
| 600 | 2 | 4AT | Australia | Atherton, Qld. (ABC) |
| | 10 | 7ZL | | Hobart, Tasm. (ABC) |
| | 50 | | India | Ajmer |
| | 10 | HLCA | Korea (South) | Seoul, (KBS) |
| | 10 | | Malaysia | Tuaran, Sabah |
| 610 | 50 | 2FC | Australia | Sydney, N.S.W. (ABC) |
| | 50 | | India | Bangalore A |
| | 100 | JOLK | Japan | Fukuoka, NHK I |
| | 10 | KUAM | Mariana Isl. | Agana, Guam |
| | 20/60 | | Vietnam (South) | Saigon |
| 611 | 25 | RV9 | USSR | Frunze |
| 620 | 50 | 3AR | Australia | Melbourne, Vic. (ABC) |
| | 20 | | India | Patna A |
| | 50 | DZAQ | Philippines | Manila |
| 629 | 100 | | USSR | Vladivostok |
| | 50 | | | Khabarovsk (Far East Sce.) |
| 630 | 50 | 4QN | Australia | Townsville, Qld. (ABC) |
| | 5 | JOIG | Japan | Toyama, NHK I |
| | 20 | 2YZ | New Zealand | Napier |
| | 100 | APL1 | Pakistan | Lahore I |
| | 5 | DYAG | Philippines | Cadiz, LBN |
| 630 | 10 | | Singapore | Singapore, (English Sce.) |
| | 50 | HSKK | Thailand | Khon Kaen (R. Thailand) |
| 640 | 10 | 5CK | Australia | Port Pirie, S.A. (ABC) |
| | 10 | JOPG | Japan | Kushiro, NHK I |
| | 20 | HLKC | Korea, South | Seoul |
| | 10 | | Laos | Vientiane (Radiodiff. Nat. Lao) |
| | 2 | 4YX | New Zealand | Alexandra |
| | 10 | DXAV | Philippines | Davao City (ABS) |
| 650 | 10 | 2NU | Australia | Tamworth, N.S.W. (ABC) |
| | 2 | 8DR | | Darwin, North. Terr. (ABC) |
| | 10 | KORL | Hawaii | Honolulu |
| | 20 | | India | Indore A |
| | 10 | DZRH | Philippines | Manila |
| | 10 | | Ryukyu Isl. | Okinawa (AFRTS) |
| | 10 | HSJS1 | Thailand | Bangkok (Army Signal Sorps) |
| 653V | 20/100 | | Vietnam (South) | Huè |
| 660 | 20 | | Afghanistan | Kabul |
| | 2 | 6GF | Australia | Kalgoorlie W.A. (ABC) |
| | 20 | BED34 | China, Taiwan | Taipei (BBC) |
| | 5 | | India | Trivandrum A |
| | 5 | JOAG | Japan | Nagasaki, NHK I |
| | 5 | JOOG | | Obihiro, NHK I |
| | 10 | | Malaysia | Penang (Malay Sce.) |
| | 60 | 2YC | New Zealand | Wellington |
| 665 | 10 | | Malaysia | Lahad Dayu, Sabah |
| 670 | 10 | 2CO | Australia | Albury, N.S.W. (ABC) |
| | 10 | | India | Calcutta A |
| | 100 | JOBK | Japan | Osaka, NHK I |
| 680 | 10 | 2KP | Australia | Kempsey, N.S.W. (ABC) |
| | 10 | | India | Calicut A |
| | 5 | JOUG | Japan | Yamaguchi, NHK I |
| | 5 | JOVK | | Hakodate, NHK I |
| | 10 | DZAS | Philippines | Manila (FEBC) |
| | 10 | | Singapore | Singapore (Chinese Sce.) |
| 685 | 20 | HSVC | Thailand | Thon Buri |
| 690 | 2 | 4KQ | Australia | Brisbane, Qld. |
| | 50 | 6WF | | Perth, W.A. (ABC) |
| | 10 | KULA | Hawaii | Honolulu |
| | 300 | JOAB | Japan | Tokyo, NHK 2 |
| | 20 | 3YA | New Zealand | Christchurch |
| | 100 | APD2 | Pakistan | Dacca II |
| | 50/100 | | Vietnam (South) | Banmethout |
| 695 | 10 | | Thailand | Bangkok (Thai Navy) |
| 700 | 50 | 2NR | Australia | Grafton, N.S.W. (ABC) |
| | 15 | | Ceylon | Colombo (Nat. Sce.) |
| | 10 | | Malaysia | Kota Bahru (Malay Sce.) |
| | 5 | DXLY | Philippines | Davao (ABC) |
| 710 | 10 | 4QW | Australia | St. George, Qld. (ABC) |
| | 10 | 7NT | | Launceston, Tsam, (ABC) |
| | 5 | | Fiji | Suva (English Sce.) |
| | 50 | | India | Jullundur |
| | 500 | HLKA | Korea (South) | Seoul (KBS) |
| | 10 | DZFM | Philippines | Manila (PBS) |
| | 100 | RV77 | USSR | Vladivostok (Far East Sce.) |
| 715 | 5 | | Thailand | Lop Buri (Thai Army) |
| | 2 | 4QA | Australia | Mackay, Qld. (ABC) |
| | 135 | | China, P.R. | Peking |
| | 10 | BED58 | China, Taiwan | Taipei (BCC) |
| | 5 | KUAI | Hawaii | Eleele, Kauai |
| | 10 | | India | Madras A |
| | 20 | 4YZ | New Zealand | Invercargill |
| 720 | 5 | JODF | Japan | Morioka, IBC |
| 725 | 50 | HSWK | Thailand | Nakhon Ratchasima (Korat) |
| 730 | 50 | 5CL | Australia | Adelaide, S.A. (ABC) |
| | 10 | | India | Gauhati A |
| | 10 | JOCK | Japan | Nagoya, NHK I |
| | 20/10 | | Malaysia | Kuching, Sarawak |
| 735 | 10 | | Macau | Macau (Em. Vila Verde) |
| 737 | 10 | RV72 | USSR | Chelyabinsk |
| 740 | 50 | 2BL | Australia | Sydney, N.S.W. (ABC) |
| | 20 | | India | Hyderabad A |
| | 5 | JOJF | Japan | Kofu |
| | 5 | JOLR | | Toyama |
| | 10 | HLKG | Korea (South) | Taegu (KBS) |
| | 5 | | Malaysia | Ipoh (English Sce.) |
| | 5 | KSAR | Ryukyu Isl. | Naha, Okinawa |
| 750 | 10 | 4QS | Australia | Toowoomba, Qld. (ABC) |
| | 150 | BED2 | China, Taiwan | Taipei (BCC) |
| | 100 | JOIB | Japan | Sapporo, NHK 2 |
| | 10 | HLKH | Korea, South | Kwangju (KBS) |

| kHz | kW | Call | Country | Location |
|---|---|---|---|---|
| 750 | 5 | | Malaysia | Tawau, Sabah |
| | 2 | 3ZA | New Zealand | Greymouth |
| | 10 | | India | Quetta |
| | 5 | DZRB | Philippines | Naga City (ABC) |
| | 10 | | Vietnam, (South) | Saigon |
| 760 | 10 | KGU | Hawaii | Honolulu |
| | 50 | | India | Lucknow A |
| | 10 | JOPB | Japan | Shizuoka, NHK2 |
| | 10 | JOUK | | Akita, NHK 1 |
| | 20 | 1YA | New Zealand | Auckland |
| | 5 | DZMB | Philippines | Manila (Metrop. Bc. Co.) |
| | 50 | | Vietnam, South | Huế (VOA) |
| 765 | 10 | | Malaysia | Kuala Trengganu (Malay Sce.) |
| 770 | 50 | 3LO | Australia | Melbourne (ABC) |
| | 10 | JOFK | Japan | Hiroshima, NHK 1 |
| 780 | 2 | 2KA | Australia | Katoomba, N.S.W. |
| | 2 | 4TO | | Townsville, Qld. |
| | 2 | 6VA | | Albany, W.A. |
| | 20 | | India | Poona A |
| | 5 | JOXK | Japan | Tokushima, NHK 1 |
| | 5 | | Korea South | Pusan (AFKN) |
| | 10 | | Malaysia | Sandakan, Sabah |
| | 20 | 4YA | New Zealand | Dunedin |
| | 5 | KSDT | Ryukyu Isl. | Naha, Okinawa |
| | 10/30 | | Vietnam (South) | Baxuyen |
| 782 | 20 | | USSR | Karaganda |
| 785 | 10 | | Thailand | Bangsue |
| 790 | 10 | 4QG | Australia | Brisbane, Qld. (ABC) |
| | 100 | | Singapore | Singapore (Malay Sce.) |
| 800 | 2 | 5RM | Australia | Berri, S.A. |
| | 20 | | India | Bhadravathi |
| | 20 | 2YB | New Zealand | Wellington |
| | 5 | DZPI | Philippines | Manila (PBC) |
| | 5 | DYFN | | Iloilo (MBN) |
| | 100 | | USSR | Dushanbé |
| | 10 | | Vietnam (South) | Quang Ngai |
| 810 | 10 | 2BA | Australia | Bega, N.S.W. (ABC) |
| | 10 | 6WN | | Perth, W.A. (ABC) |
| | 100 | | India | Delhi A |
| | 10 | | Japan | Tokyo (FEN) |
| | 10 | | Malaysia | Kuantan (Malay Sce.) |
| 820 | 10 | 2GL | Australia | Glen Innes, N.S.W. (ABC) |
| | 5 | JOUC | Japan | Yumaguchi, NHK 2 |
| | 10 | 4ZA | New Zealand | Invercargill |
| | 5 | DYBU | Philippines | Cebu City |
| 830 | 10 | 3GI | Australia | Sale, Vic. (ABC) |
| | 2 | 6GN | | Geraldton, W.A. (ABC) |
| | 10 | KIKI | Hawaii | Honolulu |
| | 100 | JOBB | Japan | Osaka, NHK 2 |
| | 2 | 1YX | New Zealand | Whangarei |
| | 10 | APK1 | Pakistan | Karachi |
| | 5 | DZQL | Philippines | Manila (MBS) |
| | 100/10 | HSK2 | Thailand | Bangkok (R. Thailand) |
| 840 | 10 | 4RK | Australia | Rockhampton, Qld. (ABC) |
| | 20 | | India | Vijayawada A |
| | 10 | JOQK | Japan | Niigata, NHK 1 |
| | 50 | HLKY | Korea (South) | Seoul |
| | 10 | | Malaysia | Kota Bahru (English Sce.) |
| | 2 | 2XB | New Zealand | Masterton |
| | 10 | DYSR | Philippines | Dumaguete City |
| 845 | 10 | RV84 | USSR | Kazan |
| 850 | 10 | 2CY | Australia | Canberra (ABC) |
| | 50 | | India | Baroda |
| | 50 | | | Ahmedabad A |
| | 10 | JOQG | Japan | Morioka, NHK 1 |
| | 20/5 | | Malaysia | Kuching, Sarawak |
| | 5 | DZGE | Philippines | Naga City |
| 860 | 2 | 4GR | Australia | Toowomba, Qld. |
| | 2 | 6AM | | Northam, W.A. |
| | 2 | 7HO | | Hobart, Tasm. |
| | 20 | | India | Sambalpur |
| | 5 | JOPR | Japan | Fukui |
| | 10 | | Malaysia | Penang (English Sce.) |
| | 10 | 1YZ | New Zealand | Rotorua |
| | 10 | DZRV | Philippines | Manila (R. Veritas) |
| 870 | 5 | 2GB | Australia | Sydney, N.S.W. |
| | 5 | KAIM | Hawaii | Honolulu |
| | 100 | JOLB | Japan | Fukuoka, NHK 2 |
| | 10 | | Pakistan | Chittagong |
| | 50/200 | | Vietnam, South | Saigon |
| 880 | 1/2 | 4WK | Australia | Warwick, Qld. |
| | 2 | 6PR | | Perth, W.A. |
| | 5 | | India | Panjim (Goa) |
| 880 | 10 | HLKI | Korea (South) | Taejon (KBS) |
| | 10 | 1YC | New Zealand | Auckland |
| | 5 | DXMS | Philippines | Cotabato City |
| 885 | 20 | | Malaysia | Kuala Lumpur (English Sce.) |
| 890 | 10 | 5AN | Australia | Adelaide, S.A. (ABC) |
| | 10 | JOHK | Japan | Sendai, NHK1 |
| | 50 | HLKB | Korea (South) | Pusan (KBS) |
| 895 | 10 | | Brunei | Brunei Town |
| 900 | 2 | 2LM | Australia | Lismore, N.S.W. |
| | 2 | 6BY | | Bridgetown, W.A. |
| | 2/1 | 7AD | | Devonport, Tasmania |
| | 100 | BED96 | China, Taiwan | BCC |
| | 20 | | India | Cuddapah |
| | 5 | JOHF | Japan | Yonago |
| | 5 | JOHO | | Hakodate |
| | 5 | JOZR | | Kochi |
| | 50 | HLKV | Korea (South) | Seoul |
| | 10 | 4YC | New Zealand | Dunedin |
| 910 | 10 | 4QB | Australia | Maryborough, Qld. (ABC) |
| | 10 | 4QO | | Eidsvold, Qld. (ABC) |
| | 20 | | India | Lucknow C |
| | 10 | JOCB | Japan | Nagoya, NHK2 |
| 920 | 2 | 2XL | Australia | Cooma, N.S.W. |
| | 2/1 | 4VL | | Charleville, Qld. |
| | 2 | 6NA | | Narrogin, W.A. |
| | 10 | | Ceylon | Colombo |
| | 5 | JOEF | Japan | Yamagata |
| | 10 | 3YZ | New Zealand | Greymouth |
| 927 | 10 | HSLK | Thailand | Bangkok (R. Thailand) |
| 930 | 5 | 3UZ | Australia | Melbourne |
| | 10 | | India | Vishakhapatham |
| | 10 | JOGK | Japan | Kumamoto, NHK 1 |
| | 5 | | Malaysia | Jesselton, Sabah |
| | 10 | DXMT | Philippines | Davao City (ABC) |
| 940 | 2 | 4QY | Australia | Cairns, Qld. (ABC) |
| | 10 | 7ZR | | Hobart, Tasmania (ABC) |
| | 10 | KAHU | Hawaii | Waipahu |
| | 50 | | India | Tiruchi A |
| | 5 | JOPF | Japan | Tokuyama |
| | 5 | JOIR | | Akita |
| | 10 | | Malaysia | Johore Bahru (English Sce.) |
| | 2 | 2ZA | New Zealand | Palmerston North |
| | 5 | DZTD | Philippines | Dagupan City (ABC) |
| 950 | 5 | 2UE | Australia | Sydney, N.S.W. |
| | 50 | | India | Allahabad A |
| | 50 | JOKR | Japan | Tokyo (TBS) |
| | 20/5 | | Malaysia | Kuching, Sarawak |
| 955 | 50 | XZK | Burma | Rangoon |
| 960 | 2 | 3BO | Australia | Bendigo, Vic. |
| | 2 | 4AY | | Ayr, Qld. |
| | 2 | 6TZ | | Bunbury, W.A. |
| | 2 | 6CI | | Collie, W.A. |
| | 20 | BED55 | China, Taiwan | Taipei (BCC) |
| | 5 | JOTG | Japan | Aomori, NHK1 |
| | 5 | JOZK | | Matsuyama, NHK 1 |
| | 10 | | Malaysia | Kuala Trengganu (Eng. Sce.) |
| | 10 | 3YC | New Zealand | Christchurch |
| | 50 | DZXL | Philippines | Manila (CBN) |
| 965 | 20 | | India | Cuttack A |
| 970 | 2 | 5DN | Australia | Adelaide, S.A. |
| | 100 | HLSA | Korea, South | Suwon (KBS) |
| | 2 | 1XN | New Zealand | Whangarei |
| | 10 | | Vietnam, (South) | Nhatrang |
| 973 | 20 | RV136 | USSR | Yuzhno-Sakhalinsk |
| 980 | 2 | 6KG | Australia | Kalgoorlie, W.A. |
| | 5 | JOFG | Japan | Fukui, NHK1 |
| | 5 | JOGK | | Kofu, NHK1 |
| | 20 | 2ZB | New Zealand | Wellington |
| 990 | 2 | 2GZ | Australia | Orange, N.S.W. |
| | 5 | KTRG | Hawaii | Honolulu |
| | 10 | JORK | Japan | Kochi, NHK 1 |
| | 20 | | Singapore | Singapore (Malay Sce.) |
| | 5 | | Thailand | Bangkok (Post & Telegraph) |
| 1000 | 2 | 3HA | Australia | Hamilton, Vic. |
| | 2 | 4RO | | Rockhampton, Qld. |
| | 2 | 6PM | | Perth, W.A. |
| | 50 | BED62 | China, Taiwan | Taipei (BCC) |
| | 10 | 1ZD | New Zealand | Tauranga |
| | 10 | DZMM | Philippines | Meycauayan |
| | 10 | DXXU | | Cagayan de Oro |
| 1005 | 10 | | Malaysia | Malacca (Malay Sce.) |
| 1010 | 2/1 | 4CA | Australia | Cairns, Qld. |
| | 2 | 4IP | | Ipswich, Qld. |

| kHz | kW | Call | Country | Location |
|---|---|---|---|---|
| 1010 | 2 | 6GE | | Geraldton, W.A. |
| | 2 | 7EX | | Launceston, Tasmania |
| | 20 | JONR | Japan | Osaka (ABC) |
| | 10 | APH1 | Pakistan | Hyberabad |
| | 5 | DXJW | Philippines | Zamboango City (CBN) |
| | 100 | | Vietnam (North) | Hanoi |
| 1020 | 5 | 2KY | Australia | Sydney, N.S.W. |
| | 20 | | India | Delhi B |
| | 10 | ZCO | Tonga | Nuku'alofa |
| 1025 | 200 | | USSR | Tomsk |
| 1030 | 5 | 3DB | Australia | Melbourne, Vic. |
| | 20 | | Ceylon | Colombo |
| 1040 | 2 | 5PI | Australia | Crystal Brook, S.A. |
| | 5 | KHVH | Hawaii | Honolulu |
| | 50 | | India | Bombay A |
| | 10 | | Malaysia | Penang (Chinese/Indian Sce.) |
| | 10 | 4ZB | New Zealand | Dunedin |
| | 5 | DZNC | Philippines | Naga City |
| 1050 | 2 | 2CA | Australia | Canberra |
| | 10 | JOAR | Japan | Nagoya |
| | 10 | | Pakistan | Rangpur |
| 1060 | 2 | 4SB | Australia | Kingaroy, Qld. |
| | 50 | HLKX | Korea (South) | Inchon |
| | 2 | 2ZG | New Zealand | Gisborne |
| | 5 | DZVR | Philippines | Laoag |
| 1070 | 2 | 2RG | Australia | Griffith, N.S.W. |
| | 2 | 6WB | | Katanning, W.A. |
| | 20 | BED57 | China, Taiwan | Taitung (BCC) |
| | 20 | | India | Rajkot A |
| | 10 | JOFB | Japan | Hiroshima, NHK 2 |
| | 10 | JOPC | | Kushiro, NHK 2 |
| | 20 | | Malaysia | Kuala Lumpur (Chinese/Indian Sce.) |
| | 10 | 1ZB | New Zealand | Auckland |
| | 10 | DZWS | Philippines | Manila (ABC) |
| 1080 | 2/1 | 2MO | Australia | Gunnedah, N.S.W. |
| | 2 | 6IX | | Perth, W.A. |
| | 2 | 7HT | | Hobart, Tasmania |
| | 10 | | Pakistan | Rajshahi |
| 1088 | 20 | | USSR | Perm |
| 1090 | 2 | 3LK | Australia | Lubeck, Vic. |
| | 5 | KHAI | Hawaii | Honolulu |
| | 10 | JOHB | Japan | Sendai, NHK 2 |
| | 10 | JOTB | | Matsue, NHK 2 |
| | 10 | APL1 | Pakistan | Lahore II |
| | 10 | | Vietnam (South) | Da Nang |
| 1100 | 2 | 4LG | Australia | Longreach, Qld. |
| | 2 | 6MD | | Merredin, W.A. |
| | 2 | 7LA | | Launceston, Tasmania |
| | 10 | | Brunei | Brunei Town |
| | 100 | BED97 | China, Taiwan | BCC |
| | 20 | | India | Gulbarga |
| | 5 | JOCF | Japan | Kagoshima |
| | 10 | | Korea (South) | Seoul (VUNC) |
| | 10 | 3ZB | New Zealand | Christchurch |
| | 10 | DZMT | Philippines | Manila (ABC) |
| 1110 | 5 | 2UW | Australia | Sydney, N.S.W. |
| | 5 | JOCF | Japan | Kagoshima |
| | 5 | JOMR | | Kanazawa |
| 1120 | 2 | 4BC | Australia | Brisbane, Qld. |
| | 5 | JOAF | Japan | Matsuyama |
| | 5 | JODR | | Niigata |
| | 10 | WVUV | Samoa (American) | Pago Pago |
| | 10 | | Thailand | Bangkok (Thai Navy) |
| 1130 | 2 | 2AD | Australia | Armidale, N.S.W. |
| | 2 | 3CS | | Colac, Vic. |
| | 2 | 6CI | | Collie, W.A. |
| | 2 | 6TZ | | Bunbury, W.A. |
| | 50 | | India | Calcutta B |
| | 50 | JOQR | Japan | Tokyo |
| | 2 | 2YD | New Zealand | Wellington |
| | 10 | DZHP | Philippines | Manila |
| 1140 | 2 | 2HD | Australia | Newcastle, N.S.W. |
| | 10 | JOBR | Japan | Kyoto, KBS |
| | 5 | HLCX | Korea (South) | Chonju |
| | 10 | | Malaysia | Kuantan (English Sce.) |
| | 2 | 1YW | New Zealand | Hamilton |
| | 1000 | | Philippines | Poro (VOA) |
| 1146 | 10 | | Thailand | Bangkok (Thai TV Co.) |
| 1150 | 2 | 2WG | Australia | Wagga Wagga, N.S.W. |
| | 5 | XZK8 | Burma | Rangoon |
| | 10 | JOKP | Japan | Kitaimi, NHK 1 |
| | 10 | APR1 | Pakistan | Rawalpindi |
| 1160 | 2 | 4MB | Australia | Maryborough, Qld. |
| | 2 | 5PA | | Penola, S.A. (ABC) |

| kHz | kW | Call | Country | Location |
|---|---|---|---|---|
| 1160 | 10 | HLKU | Korea (South) | Pusan |
| | 10 | | Malaysia | Malacca, (English Sce.) |
| | 2 | 3XC | New Zealand | Timaru |
| | 5 | | Thailand | Bangkok (Thai Police) |
| 1170 | 5 | 2CH | Australia | Sydney, N.S.W. |
| | 10 | JOJK | Japan | Kanazawa, NHK 1 |
| | 10 | APD1 | Pakistan | Dacca I |
| | 5 | DZWJ | Philippines | Lucena |
| 1178 | 1000 | | Ryukyu Isl. | Okinawa (VOA) |
| 1180 | 5 | 3KZ | Australia | Melbourne, Vic. |
| | 50 | | India | Jabalpur |
| | 2 | 2YW | New Zealand | Gisborne |
| 1190 | 2 | 2NZ | Australia | Inverell, N.S.W. |
| | 50 | | China, P.R. | Peking (Foreign Sce.) |
| | 10 | JOQB | Japan | Niigata, NHK 2 |
| | 5 | DZRM | Philippines | Manila (PBS) |
| 1200 | 2 | 5KA | Australia | Adelaide, S.A. |
| | 100 | BED50 | China, Taiwan | Taitung (BCC) |
| | 20 | | India | Tirunelveli |
| | 5 | JOBF | Japan | Kumamoto |
| | 5 | | Korea (South) | Tongduchon (AFKN) |
| | 2 | 2XA | New Zealand | Wanganui |
| | 5 | | Thailand | Don Muang |
| 1210 | 2 | 2GF | Australia | Grafton, N.S.W. |
| | 2 | 3YB | | Warrnambool, Vic. |
| | 2 | 6KY | | Perth, W.A. |
| | 20 | JOOR | Japan | Osaka |
| | 10 | HSK24 | Thailand | Surat Thai (R. Thailand) |
| 1220 | 2 | 4AK | Australia | Darling Downs, Qld. |
| | 10 | JOHC | Japan | Kagoshima, NHK 2 |
| | 10 | JOQC | | Morioka, NHK 2 |
| | 10 | | Malaysia | Johore Bahru (Chinese/Indian Sce.) |
| | 2 | 1XE | New Zealand | Kaikohe |
| 1230 | 10 | 2NC | Australia | Newcastle, N.S.W. |
| | 50 | | India | Bombay C |
| | 5 | JOGR | Japan | Aomori |
| | 5 | JOUR | | Nagasaki |
| | 10 | HLKJ | Korea (South) | Seoul (Dong-A Bc. System) |
| 1240 | 2 | 3TR | Australia | Sale, Vic. |
| | 2 | 8DN | | Darwin, North Terr. |
| | 20 | | Brunei | Brunei Town |
| | 10 | | India | Varanasi |
| | 5 | DZLT | Philippines | Lucena, Quezon City |
| 1250 | 2 | 2DU | Australia | Dubbo, N.S.W. |
| | 20 | | India | Sangli |
| | 2 | 1YD | New Zealand | Auckland |
| | 5 | KSDX | Ryukyu Isl. | Naha, Okinawa (FEBC) |
| | 100 | | USSR | Vladivostok (Far East Sce.) |
| 1260 | 2 | 3SR | Australia | Shepparton, Vic. |
| | 10 | BEP22 | China, Taiwan | Taipei |
| | 10 | JOIR | Japan | Sendai |
| | 5 | | Malaysia | Ipoh (Chin/Indian Sce.) |
| | 5 | DYVM | Philippines | Cebu City |
| 1270 | 5 | 2SM | Australia | Sydney, N.S.W. |
| | 5 | KNDI | Hawaii | Honolulu |
| | 10 | JOFR | Japan | Fukuoka |
| | 50 | | Korea (South) | Kanghwa Island (VUNC) |
| | 5 | DZYE | Philippines | Daet |
| 1280 | 100 | | Afghanistan | Pol-e-Tscharchi (Kabul) |
| | 5 | 3AW | Australia | Melbourne, Vic. |
| | 5 | JOHW | Japan | Obihiro |
| | 5 | JOJR | | Tokushima |
| | 10 | | Malaysia | Malacca (Chin/Indian Sce.) |
| | 2 | 2ZC | New Zealand | Napier |
| | 5 | DYRI | Philippines | Iloilo City |
| | 5 | DZBJ | | Manila |
| | 5 | DYRL | | Iloilo City |
| 1290 | 2 | 2TM | Australia | Tamworth, N.S.W. |
| | 10 | JOHR | Japan | Sapporo |
| 1300 | 2 | 4BK | Australia | Brisbane, Qld. |
| | 10 | BEV23 | China, Taiwan | Taipei |
| | 5 | JOHP | Japan | Takamatsu, NHK 1 |
| 1310 | 2 | 5AD | Australia | Adelaide, S A |
| | 50 | JOLF | Japan | Tokyo (NBS) |
| | 2 | 1XH | New Zealand | Hamilton |
| 1320 | 2 | 3BA | Australia | Ballarat, Vic. |
| | 2 | 4NA | | Nambour, Qld. |
| | 2 | 6KY | | Belmont (Perth), W.A. |
| | 10 | | India | Rampur |
| 1330 | 2 | 3SH | Australia | Swan Hill, Vic. |
| | 2 | 4BU | | Bundaberg, Qld. |
| | 10 | | India | Bikaner |
| | 10 | JOSF | Japan | Nagoya |
| 1340 | 2 | 2LF | Australia | Young, N.S.W. |
| | 2 | 2XN | New Zealand | Nelson |
| | 5 | DZBC | Philippines | Meycauayan |

| kHz | kW | Call | Country | Location |
|---|---|---|---|---|
| 1345 | V10 | HSKU | Thailand | Ubon Ratchathani (R. Thailand) |
| 1350 | 2 | 3GL | Australia | Geelong, Vic. |
| | 2 | 4GY | | Gympie, Qld. |
| | 10 | JOER | Japan | Hiroshima (BCC) |
| | 2 | 1ZC | New Zealand | Rotorua |
| 1360 | 2 | 2NX | Australia | Newcastle, N.S.W. |
| | 20 | | India | Dharwar A |
| | 5 | DYRL | Philippines | Bacolod City |
| | 5 | DZYQ | | Batangas, (NBC) |
| | 100 | KSBU | Ryukyu Isl | Okuma, Okinawa (FEBC) |
| 1370 | 2 | 4LM | Australia | Mt Isa, Qld. |
| | 10 | | India | Delhi C |
| | 10 | JOKD | Japan | Kitami, NHK 2 |
| | 10 | JORB | | Kochi, NHK 2 |
| | 2 | 2XP | New Zealand | New Plymouth |
| | 20 | | Singapore | Singapore (Chin/Tamil Sce.) |
| 1380 | 2 | 2GN | Australia | Goulburn, N.S.W. |
| | 2 | 4MK | | Mackay, Qld. |
| | 5 | KPOI | Hawaii | Honolulu |
| | 20 | JOUF | Japan | Osaka |
| | 10 | DZTM | Philippines | Manila (ABC) |
| 1390 | 2 | 4BH | Australia | Brisbane, Qld. |
| | 5 | | India | Gwalior |
| | 10 | JOJB | Japan | Kanazawa, NHK 2 |
| 1400 | 2 | 2PK | Australia | Parkes, N.S.W. |
| | 5 | JOVR | Japan | Shizuoka |
| | 2 | 3YD | New Zealand | Christchurch |
| | 5 | DYXL | Philippines | Bacolod City (CBN) |
| 1410 | 2 | 2KO | Australia | Newcastle, N.S.W. |
| | 20 | | Cambodia | Phom-Penh (reported on 1434) |
| | 10 | JOIF | Japan | Fukuoka |
| 1420 | 5 | 3XY | Australia | Melbourne, Vic. |
| | 5 | KCCN | Hawaii | Honolulu |
| | 20 | | India | Madras B |
| | 5 | JOYR | Japan | Okayama |
| | 8 | | New Caledonia | Noumea |
| | 2 | 1ZO | New Zealand | Tokoroa |
| | 10 | 2AP | Samoa (Western) | Apia |
| 1430 | 2 | 2WL | Australia | Wollongong, N.S.W. |
| 1434 | 20 | | Cambodia | Phom-Penh (listed on 1410) |
| 1440 | 2 | 2MW | Australia | Murwillumbah, N.S.W. |
| | 2 | 2CV | | Maryborough, Vic. |
| | 2 | 1XA | New Zealand | Kaitaia |
| 1450 | 2 | 2MG | Australia | Mudgee, N.S.W. |
| | 2 | 5AU | | Port Augusta, S.A. |
| | 5 | JOKF | Japan | Takamatsu |
| | 5 | JOQM | | Abashiri |
| 1460 | 2/1 | 2NM | Australia | Muswellbrook, N.S.W. |
| | 2/1 | 5MU | | Murray Bridge (Adelaide) S.A. |
| | 20 | | India | Jeypore |
| | 5 | JOWF | Japan | Sapporo |
| | 2 | 3YW | New Zealand | Westport |
| | 10 | DZBU | Philippines | Manila |
| 1470 | 2 | 3MA | Australia | Mildura, Vic. |
| 1480 | 2/1 | 4ZR | Australia | Roma, Qld. |
| | 10 | JORF | Japan | Yokohama |
| 1490 | 2 | 2AY | Australia | Albury, N.S.W. |
| | 10 | JOTK | Japan | Matsue, NHK 1 |
| 1500 | 2 | 2BS | Australia | Bathurst, N.S.W. |
| | 5 | 3AK | | Melbourne, Vic. |
| | 50 | | Japan | Yukihashi |
| | 2 | 1ZA | New Zealand | Taupo |
| | 50 | HSITV | Thailand | Bangkok (Thai TV Co.) |
| 1510 | 10 | 2NA | Australia | Newcastle, N.S.W. (ABC) |
| | 5 | JOZB | Japan | Matsuyama, NHK 2 |
| 1520 | 2 | 2QN | Australia | Deniliquin, N.S.W. |
| | 10 | | Thailand | Bangkok (Thai Army) |
| 1525 | V2000 | | China, P.R. | Peking (Russian Service) |
| 1530 | 2/0,5 | 2VM | Australia | Moree, N.S.W. |
| 1540 | 2 | 2CN | Australia | Canberra (ABC) |
| | 5 | | Cambodia | Phom-penh |
| 1550 | 50 | 4QD | Australia | Emerald, Qld. (ABC) |
| | 10 | | Japan | Itazuke (FEN) |
| 1560 | 2 | 2RE | Australia | Taree, N.S.W. |
| | 5 | | China, Taiwan | (AFN) |
| | 20 | | India | Siliguri |
| 1580 | 2 | 2WN | Australia | Wollongong N.S.W. (ABC) |
| 1586 | 20 | | USSR | Dushanbe |
| | 20 | | | Vladivostok |
| 1590 | 2 | 5MW | Australia | Renmark, S.A. (ABC) |
| | 10 | JOGB | Japan | Kumamoto, NHK 2 |
| | 10 | JOUB | | Akita, NHK 2 |
| 1600 | 2/1 | 3NE | Australia | Wangaratta, Vic. |
| | 5 | JOKB | Japan | Okayama, NHK 2 |
| | 10 | DZCH | Philippines | Manila |

## NORTH AMERICA (incl. Canada and Mexico)

Where two powers are listed the first is daytime-, the second nighttime power — *=daytime operation only—**=nighttime operation only—d/directional aerial. **Call signs:** Canada stations begin with C, USA-stations begin with K or W, Mexico-stations begin with X—US st's below 10kW not mentioned. Canada and Mexico st's below 5kW not mentioned.

| Call | kW | City | State |
|---|---|---|---|
| **540 kHz** | | | |
| CBT | 10 | Grand Falls | Nfld. |
| CBK | 50 | Regina | Sask. |
| WGTO | 50*d | Cypress Gardens | Fla. |
| **550 kHz** | | | |
| CFNB | 50d | Fredericton | N.B. |
| CKPG | 10**d | Prince George | B.C. |
| CHLN | 10/5d | Three Rivers | Que. |
| XEQW | 5 | Merida | Yuc. |
| **560 kHz** | | | |
| CJKL | 5**d | Kirkland Lake | Ont. |
| CKCN | 10/5d | Sept-Iles | Que. |
| **570 kHz** | | | |
| CJEM | 5/1d | Edmundston | N.B. |
| XEBJB | 5/0,25 | Monterrey | N.L. |
| XEOA | 5/0,25 | Oaxaca | Oax. |
| **580 kHz** | | | |
| CJFX | 10d | Antigonish | N.S. |
| CKUA | 10d | Edmonton | Alb. |
| CHLC | 5/2,5d | Hauterive | Que. |
| CFRA | 50/10d | Ottawa | Que. |
| CKPR | 5/1 | Pt. Arthur | Ont. |
| CKY | 50d | Winnipeg | Man. |
| XEFI | 5/0,25 | Cihuahua | Chis. |
| XEAV | 5 | Guadalajara | Jal. |
| XEMU | 5/0,25 | Piedras Negras | Coah. |
| **590 kHz** | | | |
| CFAR | 10/1d | Flin Flon | Man. |
| VOCM | 10**d | St. John's | Nfld. |
| CKEY | 10/5d | Toronto | Que. |
| XEPH | 5 | Mexico | D.F. |
| XEFD | 5/0,25 | Rio Bravo | Tam. |
| **600 kHz** | | | |
| CFCH | 10/5d | Callander | Ont. |
| CFCF | 5d | Montreal | Que. |
| CFQC | 5**d | Saskatoon | Sask. |
| CJOR | 10d | Vancouver | B.C. |
| XEBB | 5/1 | Acapulco d. Juarez | Gro. |
| **610 kHz** | | | |
| CHNC | 10/5d | New Carlisle | Que. |
| CKYL | 10/1d | Peace River | Alb. |
| CKTB | 10/5d | St. Catharines | Ont. |
| XEGS | 5 | Guasave | Sin. |
| XEBX | 5/0,5 | Sabinas | Coah. |
| XEUP | 5/1 | Uruapan | Mich. |
| **620 kHz** | | | |
| CKCM | 10d | Grand Falls | Nfld. |
| CKCK | 5 | Regina | Sask. |
| CFCL | 10/5d | Timmins | Ont. |
| XEBU | 5/0,25 | Chihuahua | Chih. |
| XENK | 10/5 | Mexico City | D.F. |
| **630 kHz** | | | |
| CFCY | 10d | Charlottetown | P.E.I. |
| CFCO | 10/1d | Chatham | Ont. |
| CHED | 10d | Edmonton | Alb. |
| CHLT | 10/1 | Sherbrooke | Que. |
| CJET | 10d | Smiths Falls | Ont. |
| CKRC | 10**d | Winnipeg | Man. |
| XEFU | 5/0,75 | Cosamaloapan | Ver. |
| XEFB | 10/1 | Monterrey | N.L. |
| **640 kHz** | | | |
| CBN | 10 | St. John's | Nfld. |
| KFI | 50 | Los Angeles | Cal. |
| **650 kHz** | | | |
| KORL | 10 | Honolulu | Haw. |
| WSM | 50 | Nashville | Tenn. |
| XEZM | 5 | Zamora | Mich. |
| **660 kHz** | | | |
| KFAR | 10 | Fairbanks | Alas. |
| WNBC | 50 | New York | N.Y. |
| WESC | 10*d | Greenville | S.C. |
| XERPM | 10/5 | Mexico City | D.F. |
| **670 kHz** | | | |
| KBOI | 50/25d | Boise | Idaho |
| WMAQ | 50 | Chicago | Ill. |
| **680 kHz** | | | |
| CHFA | 5d | Edmonton | Alb. |
| CJCN | 10d | Grand Falls | Nfld. |
| CKGB | 10d | Timmins | Ont. |
| CHFI | 1/10 | Toronto | Ont. |
| CJOB | 10/2,5d | Winnipeg | Man. |
| KNBR | 50 | San Francisco | Cal. |
| WCBM | 10 | Baltimore | Md. |
| WRKO | 50 | Boston | Mass. |
| KDBC | 10/1d | Escanaba | Mich. |
| WPTF | 50 | Raleigh | N.C. |
| WMPS | 10 | Memphis | Tenn. |
| KBAT | 50 | San Antonio | Tex. |
| WCAW | 10 | Charleston | W.Va. |
| XELG | 10/5 | Leon | Gto. |
| XEKQ | 5 | Tapachula | Chis. |
| **690 kHz** | | | |
| CBF | 50 | Montreal | Que. |
| CBU | 10d | Vancouver | B.C. |
| WVOK | 50* | Birmingham | Ala. |
| WAPE | 50 | Jacksonville | Fla. |
| KKUA | 10 | Honolulu | Haw. |
| KGGF | 10* | Coffeyville | Kan. |
| KHEY | 10 | El Paso | Tex. |
| WCYB | 10* | Bristol | Va. |
| XEN | 20/5 | Mexico City | D.F. |
| XETRA | 50 | Tijuana | B.C. |
| **700 kHz** | | | |
| WLW | 50 | Cincinnati | Ohio |
| **710 kHz** | | | |
| CFRG | 5* | Gravelbourg | Nfld. |
| CKVM | 10/1d | Ville-Marie | Que. |

| Call | kW | City | State |
|---|---|---|---|
| KMPC | 50 | Los Angeles | Cal. |
| WGBS | 50 | Miami | Fla. |
| KEEL | 50* | Shreveport | La. |
| WHB | 10 | Kansas City | Mo. |
| WOR | 50 | New York | N.Y. |
| KGNC | 10 | Amarillo | Tex. |
| KIRO | 50** | Seattle | Wash. |
| XEBL | 5/0,25 | Culiacan | Son. |
| XERPO | 5 | Oaxaca | Oax. |
| **720 kHz** | | | |
| WGN | 50 | Chicago | Ill. |
| **730 kHz** | | | |
| CKDM | 10/5d | Dauphin | Man. |
| CKAC | 50d | Montreal | Que. |
| CKLG | 10d | North Vancouver | B.C. |
| XEX | 100/50 | Leon | Gto. |
| XEX | 100/50 | Mexico City | D.F. |
| XEX | 5 | Veracruz | Ver. |
| **740 kHz** | | | |
| CBX | 50d | Edmonton | Alb. |
| CBL | 50 | Toronto | Ont. |
| WBAM | 50* | Montgomery | Ala. |
| KBIG | 10* | Los Angeles | Cal. |
| KCBS | 50 | San Francisco | Cal. |
| WPAQ | 10* | Mt. Airy | N.C. |
| KRMG | 50 | Tulsa | Okla. |
| KTRH | 50 | Houston | Tex. |
| **750 kHz** | | | |
| KFQD | 10 | Anchorage | Alask. |
| WSB | 50 | Atlanta | Ga. |
| KMMJ | 10* | Grand Island | Neb. |
| KXL | 50* | Portland | Ore. |
| **760 kHz** | | | |
| KGU | 10 | Honolulu | Haw. |
| WJR | 50 | Detroit | Mich. |
| XEZZ | 5 | Guadalajara | Jal. |
| XEABC | 5 | Los Reyes | Mex. |
| **770 kHz** | | | |
| KOB | 50 | Albuqerque | N.M. |
| WABC | 50 | New York | N.Y. |
| **780 kHz** | | | |
| WBBM | 50 | Chicago | Ill. |
| **790 kHz** | | | |
| CFCW | 10d | Camrose | Alb. |
| CFDR | 5d | Dartmouth | N.S. |
| CKSO | 10/5d | Sudbury | Ont. |
| XENT | 5/0,75 | La Paz | B.C. |
| XERC | 5 | Mexico City | D.F. |
| XEVA | 5 | Villahermosa | Tab. |
| **800 kHz** | | | |
| CJLX | 10/5d | Ft. William | Ont. |
| CJAD | 50/10d | Montreal | Que. |
| CHAB | 10/5d | Moose Jaw | Sask. |
| CKOK | 10/5 | Penticton | B.C. |
| CHRC | 50d | Quebec | Que. |
| CKLW | 50d | Windsor | Ont. |
| XELO | 150 | Ci. Juarez | Chih. |
| **810 kHz** | | | |
| CHQR | 10d | Calgary | Alb. |
| KGO | 50* | San Francisco | Cal. |
| KCMO | 50 | Kansas City | Mo. |
| WGY | 50 | Schenectady | N.Y. |
| WKVM | 25d | San Juan | P.R. |
| XEIC | 5 | Ciud. Obregon | Son. |
| XEFW | 50 | Tampico | Tams. |
| XEUX | 5 | Tuxpan | Nay. |
| **820 kHz** | | | |
| WFAA | 50 | Dallas | Tex. |
| WBAP | 50 | Fort Worth | Tex. |
| **830 kHz** | | | |
| WCCO | 50 | Minneapolis | Minn. |
| XELA | 10/5 | Mexico City | D.F. |
| **840 kHz** | | | |
| WHAS | 50* | Louisville | Ky. |
| **850 kHz** | | | |
| CKRD | 10/1d | Red Deer | Alb. |
| CKVL | 50/10d | Verdun | Que. |
| WYDE | 10 | Birmingham | Ala. |
| KOA | 50* | Denver | Colo. |
| WHDH | 50 | Boston | Mass. |
| WKIX | 10 | Raleigh | N.C. |
| WJW | 10 | Cleveland | Ohio |
| WJAC | 10* | Johnston | Pa. |
| WIVK | 50* | Knoxville | Tenn. |
| XEM | 5/0,5 | Chihuahua | Chih. |
| XETQ | 10 | Orizaba | Ver. |
| **860 kHz** | | | |
| CBH | 10**d | Halifax | N.S. |
| CFPR | 10d | Prince Rupert | B.C. |
| CJBC | 50 | Toronto | Ont. |
| KTRB | 10 | Modesto | Cal. |
| KOAM | 10* | Pittsburg | Kan. |
| WOAY | 10* | Oak Hill | WVa. |
| XEUN | 5 | Mexico City | D.F. |
| XEMO | 5 | Tijuana | B.C. |
| **870 kHz** | | | |
| WWL | 50 | New Orleans | La. |
| **880 kHz** | | | |
| WCBS | 50 | New York | N.Y. |
| **890 kHz** | | | |
| WLS | 50 | Chicago | Ill. |
| **900 kHz** | | | |
| CHML | 5d | Hamilton | Ont. |
| CKBI | 10d | Prince Albert | Sask. |
| CJBR | 10**d | Rimouski | Que. |
| CHNO | 10/1d | Sudbury | Ont. |
| CKVD | 10/2,5d | Val d'Or | Que. |
| CJVI | 10d | Victoria | B.C. |
| KFRB | 10 | Fairbanks | Alask. |
| XEW | 250/100 | Mexico City | D.F. |
| XEWB | 50/10 | Veracruz | Ver. |
| **910 kHz** | | | |
| CJDV | 5d | Drumheller | Alb. |
| CFJC | 10/1 | Kamloops | B.C. |
| CBO | 5d | Ottawa | Ont. |
| **920 kHz** | | | |
| CJCH | 10/5d | Halifax | N.S. |
| CKCY | 10/5d | Sault S. Marie | Ont. |
| XEBH | 5 | Hermosillo | Son. |
| XEBM | 5/1 | S. Luis Potosi | S.L.P. |
| **930 kHz** | | | |
| CJCA | 10/5d | Edmonton | Alb. |
| CFBC | 10/5d | St. John | N.B. |
| CJON | 10**d | St. John's | Nfld. |
| **940 kHz** | | | |
| CBM | 50 | Montreal | Que. |
| CJIB | 10/1 | Vernon | B.C. |
| CJGX | 10/0,1d | Yorkton | Sask. |
| KFRE | 50* | Fresno | Cal. |
| WINZ | 50 | Miami | Fla. |
| WMAZ | 50* | Macon | Ga. |
| KAHU | 10 | Waipahu, Oahu | Haw. |
| KIOA | 10 | Des Moines | Iowa |
| WYLD | 10 | New Orleans | La. |
| WCPC | 50*d | Houston | Miss. |
| WFNC | 10* | Fayetteville | N.C. |
| WIPR | 10d | Rio Piedras | P.R. |
| XEQ | 100/50 | Mexico City | D.F. |
| **950 kHz** | | | |
| CKBB | 10/2,5 | Barrie | Ont. |
| CKNB | 10/1d | Campbellton | N.B. |
| CHER | 10d | Sydney | N.S. |
| **960 kHz** | | | |
| CFAC | 10d | Calgary | Alb. |
| CHNS | 10**d | Halifax | N.S. |
| CKWS | 10 | Kingston | Ont. |
| XEK | 5/1 | Nuevo Laredo | Tams. |
| **970 kHz** | | | |
| CBZ | 10**d | Fredericton | N.B. |
| CKCH | 5d | Hull | Que. |
| XEJ | 10/5 | Ciud. Juarez | Chih. |
| XEDF | 10 | Mexico | D.F. |
| XEVT | 5 | Villahermosa | Tab. |
| **980 kHz** | | | |
| CFPL | 10/5 | London | Ont. |
| CKGM | 10d | Montreal | Que. |
| CKNW | 50d | New Westminster | B.C. |
| CHEX | 10/5d | Peterborough | Ont. |
| CBV | 5d | Quebec | Que. |
| CKRM | 10/5d | Regina | Sask. |
| XELC | 5/0,2 | La Piedad | Mich. |
| XENR | 5/0,5 | Nueva Rosita | Coah. |
| XETU | 10/1 | Tampico | Tam. |
| **990 kHz** | | | |
| CBY | 10 | Corner Brook | Nfld. |
| CBW | 50 | Winnipeg | Man. |
| KTKT | 10 | Tucson | Ariz. |
| WHOO | 10 | Orlando | Fla. |
| WIBG | 50 | Philadelphia | Pa. |
| WLKW | 50* | Providence | R.I. |
| WNOX | 10 | Knoxville | Tenn. |
| KWAM | 10* | Memphis | Tenn. |
| KNIN | 10* | Wichita Falls | Tex. |
| XECL | 5 | Mexicali | B.C. |
| XETG | 10 | Tuxtla Gutierrez | Chis. |
| **1000 kHz** | | | |
| CKBW | 10d | Bridgewater | N.S. |
| WCFL | 50 | Chicago | Ill. |
| KOMO | 50* | Seattle | Wash. |
| XEOY | 10 | Mexico City | D.F. |
| **1010 kHz** | | | |
| CBR | 50 | Calgary | Alb. |
| CFRB | 50d | Toronto | Ont. |
| KLRA | 10 | Little Rock | Ark. |
| KSAY | 10* | San Francisco | Cal. |
| WBIX | 10*d | Jacksonville | Fla. |
| WINQ | 50* | Tampa | Fla. |
| WGUN | 50* | Decatur | Ga. |
| WMOX | 10* | Meridan | Miss. |
| KXEN | 50* | St. Louis | Mo. |
| KRVN | 25* | Lexington | Neb. |
| WINS | 50 | New York | N.Y. |
| WFGW | 50* | Black Mountain | N.C. |
| KBUY | 5/50d | Amarillo | Tex. |
| KAWA | 10* | Waco | Tex. |
| XEKD | 5/0,25 | Ciud. Acuña | Coah. |
| XEWS | 5/0,25 | Culiacan | Sin. |
| XEEB | 25 | Esperanza | Son. |
| XEHL | 10 | Guadalajara | Jal. |
| XEVK | 5 | Torreon | Coah. |
| **1020 kHz** | | | |
| KGBS | 50* | Los Angeles | Cal. |
| KSWS | 50* | Roswell | N.M. |
| KDKA | 50 | Pittsburg | Pa. |
| **1030 kHz** | | | |
| WBZ | 50 | Boston | Mass. |
| KOB | 10 | Albuquerque | N.M. |
| KCTA | 50* | Corpus Christi | Tex. |
| XEQR | 10/1 | Mexico City | D.F. |
| **1040 kHz** | | | |
| WHO | 50 | Des Moines | Iowa |
| **1050 kHz** | | | |
| CFGP | 10d | Grande Prairie | Alb. |
| CJNB | 10**d | N. Battleford | Sask. |
| CKSB | 10**d | St. Boniface | Man. |
| CJIC | 10/2,5 | Sault S. Marie | Ont. |
| CHUM | 50d | Toronto | Ont. |
| WHN | 50 | New York | N.Y. |
| XEG | 100 | Monterrey | N.L. |
| **1060 kHz** | | | |
| CFCN | 50 | Calgary | Alb. |
| CJLR | 10d | Quebec | Que. |
| KPAY | 10* | Chico | Cal. |
| KLMO | 10* | Longmont | Colo. |
| WNOE | 50 | New Orleans | La. |
| KYW | 50 | Philadelphia | Pa. |
| KGFX | 10*d | Pierre | S.D. |
| XEDP | 50/0,5 | Mexico City | D.F. |
| **1070 kHz** | | | |
| CBA | 50 | Sackville | N.B. |
| CHOK | 5/1d | Sarnia | Ont. |
| WAPI | 50* | Birmingham | Ala. |
| KNX | 50 | Los Angeles | Cal. |
| WIBC | 50 | Indianapolis | Ind. |
| KFDI | 10 | Wichita | Kan. |
| WKOK | 10/1d | Sunbury | Pa. |
| WFLI | 10 | Chattanooga | Tenn. |
| WDIA | 50 | Memphis | Tenn. |
| WKOW | 10* | Madison | Wis. |
| XESP | 5 | S. Pedro Tlaquepaque | Jal. |
| **1080 kHz** | | | |
| CKSA | 10**d | Lloydminster | Alb. |
| KSCO | 10* | Santa Cruz | Cal. |
| WTIC | 50 | Hartford | Conn. |
| WVCG | 10*d | Coral Gables | Fla. |
| WBIE | 10*d | Marietta | Ga. |
| KWJJ | 50 | Portland | Ore. |
| KRLD | 50 | Dallas | Tex. |
| **1090 kHz** | | | |
| CHEC | 5d | Lethbridge | Alb. |
| CHRS | 10* | St. Jean | Que. |
| KAAY | 50 | Little Rock | Ark. |
| WQIK | 50* | Jacksonville | Fla. |
| WBAL | 50 | Baltimore | Md. |
| KING | 50 | Seattle | Wash. |
| XERB | 50 | Tijuana | B.C. |
| **1100 kHz** | | | |
| KFAX | 50* | San Francisco | Cal. |
| WHLI | 10* | Hempstead | N.Y. |
| WKYC | 50 | Cleveland | Ohio |
| **1110 kHz** | | | |
| CHQT | 10**d | Edmonton | Alb. |
| CBD | 10d | St. John | N.B. |
| KRLA | 50 | Pasadena | Cal. |
| WALT | 10* | Tampa | Fla. |
| KFAB | 50 | Omaha | Neb. |
| WBT | 50 | Charlotte | N.C. |
| XERCN | 50 | Mexico City | C.F. |
| **1120 kHz** | | | |
| KMOX | 50 | St. Louis | Mo. |
| **1130 kHz** | | | |
| CKWX | 50**d | Vancouver | B.C. |
| KWKH | 50* | Shreveport | La. |
| WCAR | 50 | Detroit | Mich. |

| Call | kW | City | State |
|---|---|---|---|
| WDGY | 50 | Minneapolis | Minn. |
| WNEW | 50 | New York | N.Y. |
| WISN | 50* | Milwaukee | Wis. |
| **1140 kHz** | | | |
| CKXL | 10**d | Calgary | Alb. |
| CBI | 10**d | Sydney | N.S. |
| KRAK | 50 | Sacramento | Cal. |
| WMIE | 10 | Miami | Fla. |
| KGEM | 10 | Boise | Idaho |
| KSOO | 10* | Sioux Falls | S.D. |
| WRVA | 50 | Richmond | Va. |
| WITA | 10d | S. Juan | P.R. |
| **1150 kHz** | | | |
| CKX | 10/1 | Brandon | Man. |
| CKOC | 5d | Hamilton | Ont. |
| CHSJ | 10d | St. John | N.B. |
| CKTR | 10/1d | Three Rivers | Que. |
| XERRF | 5 | Merida | Yuc. |
| XEJP | 10 | Mexico City | D.F. |
| **1160 kHz** | | | |
| WJJD | 50* | Chicago | Ill. |
| KSL | 50 | Salt Lake City | Utah |
| **1170 kHz** | | | |
| WCOV | 10* | Montgomery | Ala. |
| KCBQ | 50 | San Diego | Cal. |
| KLOK | 10 | San José | Cal. |
| KVOO | 50 | Tulsa | Okla. |
| WWVA | 50 | Wheeling | W.Va. |
| XEXF | 5 | Leon | Gto. |
| XERT | 5/0,25 | Reynosa | Tams |
| **1180 kHz** | | | |
| WHAM | 50 | Rochester | N.Y. |
| **1190 kHz** | | | |
| WOWO | 50 | Ft. Wayne | Ind. |
| WANN | 10* | Annapolis | Md. |
| WLIB | 10* | New York | N.Y. |
| KEX | 50 | Portland | Ore. |
| KLIF | 50 | Dallas | Tex. |
| XEWK | 5 | Guadalajara | Jal. |
| XEPK | 5 | Pachuca | Hgo. |
| **1200 kHz** | | | |
| WOAI | 50 | San Antonio | Tex. |
| **1210 kHz** | | | |
| WKNX | 10* | Saginaw | Mich. |
| WCAU | 50 | Philadelphia | Pa. |
| **1220 kHz** | | | |
| CJOC | 10/5d | Lethbridge | Alb. |
| CKCW | 10d | Moncton | N.B. |
| CKDA | 10d | Victoria | B.C. |
| WGAR | 50* | Cleveland | Ohio |
| XEB | 100 | Mexico City | D.F. |
| **1250 kHz** | | | |
| CKBL | 10/5d | Matana | Que. |
| CBOF | 10d | Ottawa | Ont. |
| CKOM | 10**d | Saskatoon | Sask. |
| CHSM | 10d | Steinbach | Man. |
| XEDK | 5/1 | Guadalajara | Jal. |
| **1260 kHz** | | | |
| CFRN | 50**d | Edmonton | Alb. |
| XEL | 10 | Mexico City | D.F. |
| **1270 kHz** | | | |
| CHWK | 10d | Chilliwack | B.C. |
| CHAT | 10d | Medicine Hat | Alb. |
| CJCB | 10**d | Sydney | N.S. |
| XEAX | 5/0,5 | Oaxaca | Oax. |
| **1280 kHz** | | | |
| CHIQ | 10/5d | Hamilton | Ont. |
| CJMS | 50d | Montreal | Ont. |
| CKCV | 10/5d | Quebec | Que. |
| XEAW | 5 | Monterrey | N.L. |
| **1290 kHz** | | | |
| CFAM | 10/1d | Altona | Man. |
| CJOE | 10d | London | Ont. |
| XEDA | 10 | Mexico City | D.F. |
| **1300 kHz** | | | |
| CBAF | 5d | Moncton | N.B. |
| XEKW | 10 | Morelia | Mich. |
| **1310 kHz** | | | |
| CKOY | 50d | Ottawa | Ont. |
| CFGM | 10/2,5d | Richmond Hill | Ont. |
| CHBG | 5**d | S. Anne d. la Pocatiere | Que. |
| XEBP | 10/0,25 | Torreon | Coah. |
| **1320 kHz** | | | |
| CKEC | 5**d | New Glasgow | N.S. |
| CJSO | 10/5d | Sorel | Que. |
| CHQM | 10d | Vancouver | B.C. |
| XEAI | 10 | Mexico | D.F. |
| **1330 kHz** | | | |
| CKKR | 10d | Rosetown | Sask. |
| **1350 kHz** | | | |
| CKLB | 10/5d | Oshawa | Ont. |
| XETB | 5/0,5 | Torreon | Coah. |
| **1360 kHz** | | | |
| CKBC | 10**d | Bathurst | N.B. |
| **1370 kHz** | | | |
| XEPA | 5 | Puebla | Pue. |
| **1380 kHz** | | | |
| CKPC | 10d | Brantford | Ont. |
| CKLC | 10/5d | Kingston | Ont. |
| XECO | 5 | Mexico City 1 | D...F... |
| **1390 kHz** | | | |
| XETL | 5 | Tuxpan | Ver. |
| **1400 kHz** | | | |
| CJFP | 10 | Rivière d. Loup | Que. |
| XETY | 5/0,25 | Tecoman | Col. |
| **1410 kHz** | | | |
| CKSL | 10d | London | Ont. |
| CFMB | 10d | Montreal | Que. |
| CFUN | 10**d | Vancouver | B.C. |
| XEKB | 5/0.25 | Atemajac | Jal. |
| XEBS | 5/1 | Mexico City | D.F. |
| **1420 kHz** | | | |
| CJVR | 10**d | Melfort | Sask. |
| XEWE | 5 | Irapuato | Gto. |
| **1430 kHz** | | | |
| CKTH | 10/5d | Toronto | Ont. |
| XEOX | 5 | Ciud. Obregon | Son. |
| **1440 kHz** | | | |
| CKPM | 10d | Ottawa | Ont. |
| XELZ | 10 | Mexico City | D.F. |
| **1450 kHz** | | | |
| XEKM | 5 | Minatitlan | Ver. |
| **1460 kHz** | | | |
| CJOY | 10/5d | Guelph | Ont. |
| CKRB | 10/5d | S. Georges d.Beauce | Que. |
| XELX | 10 | Zitacuaro | Mich. |
| **1470 kHz** | | | |
| CFOX | 10/5d | Pointe Claire | Que. |
| CFRW | 5d | Winnipeg | Man. |
| CJQM | 5d | Winnipeg | Man. |
| XESM | 10/5 | Mexico City | D.F. |
| XEBBC | 5 | Tijuana | B.C. |
| **1480 kHz** | | | |
| XEPR | 5 | Poza Rica | Ver. |
| **1490 kHz** | | | |
| CHYM | 10/5d | Kitchener | Ont. |
| **1500 kHz** | | | |
| KXRX | 10 | San José | Cal. |
| WTOP | 50 | Washington | D.C. |
| WJBK | 50 | Detroit | Mich. |
| KSTP | 50* | St. Paul | Minn. |
| KPIR | 10* | Eugene | Ore. |
| XERH | 20/5 | Mexico City | D.F. |
| **1510 kHz** | | | |
| KALF | 10* | Mesa | Ariz. |
| WNLC | 10* | New London | Conn. |
| WLAC | 50 | Nashville | Tenn. |
| KGA | 50* | Spokane | Wash. |
| WAUX | 10* | Waukesha | Wis. |
| **1520 kHz** | | | |
| KACY | 10* | Port Hueneme | Cal. |
| KXKW | 10* | Lafayette | La. |
| WKBW | 50 | Buffalo | N.Y. |
| WTHE | 10* | Garden City, L.I. | N.Y. |
| KOMA | 50 | Oklahoma City | Okla. |
| KYMN | 50 | Portland | Ore. |
| **1530 kHz** | | | |
| KFBK | 50 | Sacramento | Cal. |
| WTTI | 10*d | Dalton | Ga. |
| WCKY | 50 | Cincinnati | Ohio |
| KGBT | 50* | Harlingen | Tex. |
| XEUR | 5 | Mexico City | D.F. |
| **1540 kHz** | | | |
| CHIN | 50*d | Cooksville | Ont. |
| CHFI | 50*d | Toronto | Ont. |
| KASA | 10* | Phoenix | Ariz. |
| KPOL | 50 | Los Angeles | Cal. |
| KXEL | 50 | Waterloo | Iowa |
| WPTR | 50 | Albany | N.Y. |
| WRCP | 50* | Philadelphia | Pa. |
| KBUY | 50 | Ft. Worth | Tex. |
| KCUL | 50/1d | Ft. Worth | Tex. |
| WRGM | 10*d | Richmond | Va. |
| **1550 kHz** | | | |
| CBE | 10d | Windsor | Ont. |
| WMOO | 50* | Mobile | Ala. |
| KFIF | 50* | Tuscon | Ariz. |
| KKHI | 10* | San Francisco | Cal. |
| KQXI | 10* | Arvada | Colo. |
| WRIZ | 10* | Miami | Fla. |
| WYOU | 10* | Tampa | Fla. |
| WYNX | 10* | Smyrna | Ga. |
| KOKA | 10* | Shreveport | La. |
| WOKJ | 50* | Jackson | Miss. |
| WBSC | 10* | Bennettsville | S.C. |
| KWIC | 10* | Salt Lake City | Utah |
| XEZL | 10 | Jalapa | Ver. |
| XENU | 5 | Nuevo Laredo | Tams. |
| **1560 kHz** | | | |
| KPMC | 10 | Bakersfield | Cal. |
| WXQR | 50* | New York | N.Y. |
| WWGM | 10* | Nashville | Tenn. |
| **1570 kHz** | | | |
| CKLM | 50d | Montreal | Que. |
| CHUB | 10d | Nanaimo | B.C. |
| CFOR | 10/1 | Orillia | Ont. |
| XERF | 250 | Ciud. Acuna | Coah. |
| **1580 kHz** | | | |
| CBJ | 10d | Chicoutimi | Que. |
| KYND | 50* | Phoenix | Ariz. |
| KDAY | 50* | Santa Monica | Cal. |
| WPGC | 10* | Washington | D.C. |
| WVOG | 10 | Coral Gables | Fla. |
| WSRF | 10 | Ft. Lauderdale | Fla. |
| WWIL | 10/5d | Ft. Lauderdale | Fla. |
| WAXU | 10* | Lexington | Ky. |
| WPGC | 10*d | Morningside | Md. |
| WPAC | 10* | Patchoque, L.I. | N.Y. |
| XEDM | 50 | Hermosillo | Son. |
| **1590 kHz** | | | |
| XEVOZ | 10/5 | Mexico City | D.F. |
| **1600 kHz** | | | |
| CJRN | 10d | Niagara Falls | Ont. |


The **World Radio TV Handbook** is the only international handbook of its kind.

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# CENTRAL AMERICA (exc. Mexico)

**(Stations below 5kW not mentioned)**

| kHz | kW | Call | Country | Name/Location |
|---|---|---|---|---|
| 540 | 5/1 | HICM | DominicanRep. | R. ABC, Sto. Domingo |
| 550 | 25 | CMAN | Cuba | R. Rebelde, Pinar del Rio |
| | 5 | | Jamacia | Montego Bay (R. Jamaica) |
| | 5/1 | WPAB | Puerto Rico | Puert. American Bc. Co, Ponce |
| 560 | 10 | YSABC | El Salvador | R. Emisora Salvadoreña, San Miguel |
| | 10 | TGBOL | Guatemala | R. Sinco Sesenta, Guatemala City |
| | 5 | | Jamacia | Kingston (JBC) |
| 570 | 10 | CMHI | Cuba | R, Rebelde, Santa Clara |
| | 5 | YNRR | Nicaragua | R. Reforma, Managua |
| 580 | 10 | YSEB | El Salvador | Cadena Radial Salvadoreña, San Salvador |
| | 5 | | Jamacia | R. Jamacia, Point Galina, |
| | 5 | WKAQ | Puerto Rico | El Mundo Bc. Corp. Santurce |
| 590 | 150 | CMW | Cuba | R. Rebelde, Habana |
| | 5 | | | R. Cadena Provincial, Baracoa |
| | 10 | YNRD | Nicaragua | R. Quincientosnoventa, Managua |
| 600 | 150 | CMKV | Cuba | R. Rebelde, Holguin |
| | 5 | YSNK | El Salvador | R. Exitos, San Salvador |
| 610 | 10 | HRLP | Honduras | R. America, Tegucigalpa |
| | 10 | HOHM | Panamá | Circuito R.P.C, Panama City |
| | 10 | VPL6 | Trinidad | R. Guardian, Port of Spain |
| 615 | 10 | YNM | Nicaragua | Radiodifusora Nacional, Managua |
| 620 | 10 | HISD | DominicanRep. | R. TV-Dominicana, |
| | 5 | YSOP | El Salvador | Radioforma, Santa Ana |
| | 5 | | Jamaica | Spur Tree (JBC) |
| 625 | 50 | TIRICA | Costa Rica | La Voz de la Victor, San José |
| 630 | 60 | CMHQ | Cuba | R. CMQ, Sta, Clara |
| | 10 | YSLN | El Salvador | R. 630, San Salvador |
| 640 | 50 | CMQ | Cuba | R. CMQ, Habana |
| | 20 | | Guadeloupe | Pointe-á-Pitre |
| | 10 | TGW | Guatemala | La Voz de G, Guatemala City |
| 650 | 10 | HIAT | DominicanRep. | R. Universal, Sto Domingo |
| 655 | 10 | YSS | El Salvador | R. Nacional, San Salvador |
| 670 | 50 | CMKP | Cuba | R. Progréso, Holguin |
| | 10 | HRN | Honduras | La Voz de H, Tegucigalpa |
| 675 | 5 | TIJC2 | Costa Rica | R. Musical, San José |
| | 15 | YND | Nicaragua | Union Radio, Managua |
| 680 | 10 | TGRT | Guatemala | R. Fabulosa, Guatemala City |
| | 10 | WAPA | Puerto Rico | Hearst Radio, San Juan |
| 690 | 50 | CMBC | Cuba | R. Progreso, Habana |
| | 5 | HIAW | DominicanRep. | R. Guarachita, Sto, Domingo |
| 700 | 5 | YSQR | El Salvador | R. Morazán, Mejicanos |
| | 10 | TGHR | Guatemala | R. Mundial, Guatemala City |
| | 5 | | Jamaica | Montego Bay (JBC) |
| | 10 | YNSC | Nicaragua | R. Centauro, Managua |
| 720 | 30 | CMGN | Cuba | R. Rebelde, Colon |
| | 5 | YSRA | El Salvador | Circuito YSR, Santa Ana |
| | 10 | TGN | Guatemala | R. Cultural, Guatemala City |
| | 5 | | Jamaica | Kingston (R. Jamaica) |
| 730 | 10 | CMKJ | Cuba | R, CMQ, Holguin |
| | 10 | YSR | El Salvador | Circuito YSR, San Salvador |
| | 20 | | Leeward Isl. | R. Antilles, Montserrat |
| | 20 | | Trinidad | Trinidad Bc. Co, Port of Spain |
| 740 | 10 | CMJL | Cuba | R. CMQ, Camagüey |
| | 5 | HIZ | DominicanRep. | Bc. Nacional, Sto, Domingo |
| | 5 | YSRM | El Salvador | Circuito YSR, San Miguel |
| | 10 | WIAC | Puerto Rico | San Juan |
| 750 | 10 | YSKLA | El Salvador | R. Universal, Santa Ana |
| | 5 | | Jamaica | Point Galina (JBC) |
| | 10 | YNX | Nicaragua | R. Equis, Managua |
| 760 | 10 | CMDC | Cuba | R. Reloj Nacional, Habaña |
| | 10 | YSKL | El Salvador | Radiocadena YSKL, San Salvador |
| | 5 | HOXO | Panama | La Voz del Istmo, Panama City |
| | 5 | WORA | Puerto Rico | R. Americas Co. Mayaguez |
| 770 | 10 | CMDC | Cuba | R. Cadena Provincial, Holguin |
| | 5 | YSKLB | El Salvador | R. Universal, San Miguel |
| | 10 | HRNQ | Honduras | R. Morazán, Teguciaipa |
| | 5 | | Jamaica | Mandeville (R. Jamaica) |
| 780 | 10 | | Barbados | Black Rock |
| 790 | 10 | CMCH | Cuba | R. Cadena Habana, Habana |
| | 5 | HIL | DominicanRep. | La Voz del Tropico, Sto. Domingo |
| | 5 | ACA20 | Canal Zone | Fort Clayton (AFRTS) |
| 800 | 10 | YSAX | El Salvador | La Voz Panamericana, San Salvador |
| | 5 | TGO | Guatemala | La Voz de las Americas, Guatemala City |
| | 500 | PJB | Neth.Antilles | Trans World Radio, Bonaire |
| 810 | 25 | WKVM | Puerto Rico | American Colonial Bc. Co., San Juan |
| 820 | 5 | HIAZ | DominicanRep. | R. Santiago, Santiago |
| | 5 | YSDR | El Salvador | R. Tropical, Santa Ana |
| 825 | 5 | TIOS | Costa Rica | R. Titania, San José |
| | 15 | YNOL | Nicaragua | R. Ondas de Luz, Managua |
| 830 | 10 | CMCA | Cuba | The Friendly Voice of Cuba, Habana |
| 834 | 20 | | Brit. Honduras | R. Belize, Belize |
| 840 | 5 | YSF | El Salvador | R, Vanguardia, San Salvador |
| | 10 | HON32 | Panama | R. Aeropuerto, Panama City |
| | 10 | | Windward Isl. | R. Caribbean, Castries, St. Lucia |
| 850 | 10 | TIUCR | Costa Rica | R. Universitaria, San Pedro |
| | 10 | YNAV | Nicaragua | R. Continental, Managua |
| 855 | 5 | PJC2 | Neth. Antilles | R. Curom, Willemstad, Curacao |
| 860 | 15 | CMBL | Cuba | R. CMBL, Habana |
| | 5 | HISD | DominicanRep. | R. TV Dominicana, Sto, Domingo |
| | 10 | HRU | Honduras | R. Centro, Tegucigalpa |
| 870 | 10 | CMDN | Cuba | R. Rebelde, Guantanamo |
| | 5 | WHOA | Puerto Rico | Continental Bc. Co, Hato Rey |
| 880 | 10 | TGJ | Guatemala | R. Nuevo Mundo, Guatemala City |
| 885 | 10 | YNOX | Nicaragua | R. Libertad, Managua |
| 890 | 5 | HIPJ | DominicanRep. | R. Continental, Sto. Domingo |
| 900 | 6 | TICS | Costa Rica | R. Atenas, San José |
| | 5 | YNNS | Nicaragua | R. Alma Nica, Managua |
| 910 | 10 | CMBF | Cuba | R. Musical, Habana |
| | 10 | YSQJ | El Salvador | Radiopolis, San Salvador |
| | 10 | HRVS | Honduras | R. Católica, Tegucigalpa |
| | 5 | WPRP | Puerto Rico | Voice of Puerto Rico, Ponce |
| 920 | 5 | | Guatemala | La Voz de la Telefunken, Guatemala City |
| | 10 | PJA6 | Neth. Antilles | R. Victoria, Oranjestad, Aruba |
| 930 | 200 | | Leeward Isl. | R. Antilles, Montserrat |
| | 10 | | Nicaragua | R. Mundial, Managua |
| 940 | 10 | WIPR | Puerto Rico | Dep. of Education, San Juan |
| 950 | 5 | TGAF | Guatemala | R. Indiana, Mazatenango |
| 960 | 5 | HIF | DominicanRep. | La Voz del Atlantico, Puerto Plata |
| 965 | 5 | YNLU | Nicaragua | R. Managua, Managua |
| 970 | 5 | WIVI | Virgin Isl. | Christiansted, St. Criox |
| 980 | 5 | CMCK | Cuba | El Periódico del Aire, Habana |
| 990 | 5 | YSTA | El Salvador | R. Continental, Mejicanos |
| 1000 | 10 | YNT | Nicaragua | R. Mil, Managua |
| 1012 | 5 | CMKM | Cuba | R. Musical, Holguin |
| 1015 | 10 | YSC | El Salvador | Ondas Populares, San Salvador |
| 1020 | 10 | HIJP | DominicanRep. | R. Comercial, Sto. Domingo |
| | 10 | TGUX | Guatemala | R. Panamericana, Guatemala City |
| 1035 | 10 | 4VEF | Haiti | R. Station 4VEH, Cap Haitien |
| 1040 | 10 | TGXA | Guatemala | R. Centro Musical, Guatemala City |
| 1050 | 10 | YSU | El Salvador | R. Mil Cincuenta, San Salvador |
| | 10 | PJL3 | Neth. Antilles | R. Caribe, Willemstad, Curacao |
| 1060 | 5 | CMBQ | Cuba | R. Enciclopedia Popular, Habana |
| 1075 | 10 | TIFC | Costa Rica | Faro del Caribe, San José |
| 1080 | 5 | YSDM | E. Salvador | Cadena Radial Salvadoréna, San Miguel |
| 1120 | 10 | TGRR | Guatemala | R. Reloj, Guatemala City |
| 1130 | 10 | YNRC | Nicaragua | R. Católica, Managua |
| 1140 | 10 | TGT | Guatemala | R. Sonora, Guatemala City |
| 1160 | 50 | | Swan Island | Radio Americas |
| 1180 | 10 | HIBE | DominicanRep. | R. Mil, Sto, Domingo |
| 1220 | 5 | CMGY | Cuba | R. Veintiseis (26) Perico |
| 1240 | 5 | HIAU | DominicanRep. | La Voz de la Libertad, Pto. Plata |
| | 5 | TGK | Guatemala | R. Latima, Guatemala City |
| 1250 | 5 | HIBC | DominicanRep. | La Voz dei Progreso, S. Francisco de Macoris |
| 1260 | 5 | CMCI | Cuba | R. Reloj Nacional, Habana |
| 1280 | 5/1 | WCMN | Puerto Rico | Caribbean Bc. Co. Arecibo |
| 1295 | 10 | PJD 2 | Neth. Antilles | Voice of St. Maarten, Philipsburg, St. Maarten |
| 1310 | 50 | | Martinique | Fort de France |
| 1320 | 5/2 | WUNQ | Puerto Rico | San Juan Bc. Co, Hato Rey |
| 1330 | 10 | YSHQ | El Salvador | R. Progreso, San Salvador |
| 1350 | 5 | HIZ | DominicanRep. | Bc. Nacional, Santo Domingo |
| 1360 | 5 | YSCD | El Salvador | Cadena del Pacifico, Santiago de Maria |
| | 10 | TGWC | Guatemala | La Voz de G, Guatemala City |
| 1430 | 10 | YNAJ | Nicaragua | La Voz de América, Managua |
| | 5/0,5 | WNEL | Puerto Rico | Quillanz Bc. Co, San Juan |
| 1450 | 5 | HIBO | DominicanRep. | R. Constanza, Constanza |
| 1480 | 5 | WMDD | Puerto Rico | "Voz del Oriente", Fajardo |
| 1540 | 10 | ZNS | Bahamas | Nassau |
| 1560 | 10 | TGVE | Guatemala | R. La Voz Evangelica de America, Guatemala City |
| | 5/0,25 | WRSJ | Puerto Rico | R. San Juan, San Juan |

# SOUTH AMERICA

**(Stations below 5kW not mentioned)**

| kHz | kW | Call | Country | Name/Location |
|---|---|---|---|---|
| 536 | 5 | | Falkland Isl. | Stanley |
| 540 | 10 | ZYR98 | Brazil | R. Nove de Julho, São,Paulo |
| | 10 | HJKA | Colombia | R. Horizonte, Bogota |
| | 50 | YVSI | Venezuela | R. Nacional, Maracaibo |
| | 10 | YVOV | | R. Perija, Machiques |
| 550 | 10 | ZYZ22 | Brazil | R. Eldorado, Rio de Janerio |
| | 10 | HJHF | Colombia | R. Nacional, Medellin |
| | 5 | HCDG1 | Ecuador | R. Ecuatoriana, Quito |
| | 50 | YVSJ | Venezuela | R. Nacional, Carupano |
| 560 | 10/3 | LRA13 | Argentina | R. Nacional, Bahia Blanca |
| | 10/3 | LV1 | | R. Colón, San Juan |
| | 5/3 | LT15 | | R. Concordia, Concordia |
| | 5/1 | ZYN41 | Brazil | R. Jornal de Itabuna, Itabuna |
| | 10 | ZYM5 | | R. Sociedade Guaíraca, Curitiba, P.R. |
| | 10 | HJGS | Colombia | Transmisora Independencia, Tunja |
| | 10 | HCRM2 | Ecuador | R. Mambo, Guayaquil |
| | 10 | | Guiana | Georgetown |
| | 50 | YVLX | Venezuela | R. La Villa, Villa de Cure |
| 570 | 50 | CB57 | Chile | R. Soc. Nac. de Agricultura, Santiago |
| | 100 | HJND | Colombia | R. Nacional, Bogota |
| | 50 | YVSJ | Venezuela | R. Nacional, Ciudad Bolivar |
| 580 | 10/5 | LW1 | Argentina | R. Universidad, Cordoba |
| | 5 | LU20 | | R. Chubut, Trelew, Chubut |
| | 10/5 | ZYW27 | Brazil | R. Difusora de Goiania, Goiania |
| | 50 | HJHG | Colombia | R. Nacional, Cali |
| | 10 | YVMJ | Venezuela | La Voz de la Fé, Maracaibo |
| 590 | 10/5 | LV12 | Argentina | R. Independencia, Tucumán |
| | 10/5 | LS4 | | R. Portena, Buenos Aires |
| | 5/1 | LU8 | | R. Bariloche, San Carlos de Bariloche |
| | 10/5 | ZYN38 | Brazil | R. Cruzeiro de Bahia, Salvador |
| | 5/1 | ZYS50 | | R. Difusora Ouro Verde, Curitiba |
| | 70 | CB59 | Chile | R. Diego Portales, Valparaiso |
| | 10 | HJCR | Colombia | R. Sutatenza, Medellin |
| | 20 | YVKL | Venezuela | R. Continente, Caracas |
| 600 | 50 | PRH2 | Brazil | R. Farroupilha, Porto Alegre |
| | 25 | HJHJ | Colombia | R. Libertad, Barranquilla |
| | 10 | | Suriname | R. Paramaribo, Paramaribo |
| | 10 | YVQB | Venezuela | R. Sucre, Cumaná |
| 610 | 25 | HJKL | Colombia | Emis. Nueva Granada, Bogota |
| | 5 | CX4 | Uruguay | R. Rural, Montevideo |
| | 10 | YVSE | Venezuela | R. Cristal, Barquisimeto |
| 620 | 5 | LRA12 | Argentina | R. Nacional, Santo Tomé |
| | 5 | LRA10 | | R. Nacional, Ushuaia |
| | 5/1,5 | LV14 | | R. Joaquin, La Rioja |
| | 10 | ZYH35 | Brazil | R. Assunção, Fortaleza |
| | 10/5 | PRH7 | | R. Panamericana, São Paulo |
| | 10 | CC62 | Chile | Nueva R. El Sur, Concepción |
| | 10 | HJEL | Colombia | R. Tricolor, Cali |
| | 10 | YVNO | Venezuela | R. Libertad, Cabimas |
| 630 | 25 | LS5 | Argentina | R. Rivadavia, Buenos Aires |
| | 5 | ZYV29 | | R. Itataia, Belo Horizonte |
| | 20 | HJFD | Colombia | R. Manizales, Manizales |
| | 10 | YVKA | Venezuela | R. Nacional, Caracas |
| | 10 | YVSL | | R. Nacional, San Cristobal |
| 640 | 25/5 | LU4 | Argentina | Comodore Rivadavia |
| | 10/5 | ZY122 | Brazil | R. Cabugi, Natal |
| | 10/5 | PRF9 | | R. Dif. Portoalegrense, P. Alegre |
| | 10 | CD64 | Chile | R. Cautin, Temuco |
| | 10 | HJBJ | Colombia | La Voz Santa Marta, Santa Marta |
| | 10 | HCXY1 | Ecuador | R. Nacional del Ecuador, Quito |
| | 10 | OAZ4K | Peru | R. del Pacifico, Lima |
| | 10 | YVQO | Venezuela | Ondas Porteñas, Puerto La Cruz |
| 650 | 10 | HJJX | Colombia | Emisora Monserrate, Bogota |
| | 50 | CX6 | Uruguay | S.O.D.R.E., Montevideo |
| | 50 | YVLH | Venezuela | R. Girardot, Maracay |
| 660 | 50 | CB66 | Chile | Nueva R. Chilena, Santiago |
| | 10 | HJJM | Colombia | R. Uno, Cali |
| | 10 | YVNA | Venezuela | Ondas de los Medaños, Coro |
| 670 | 25/5 | LU9 | Argentina | R. Mar del Plata, Mar del Plata |
| | 5 | LT7 | | R. Provincia de Corrientes, Corrientes |
| | 10 | ZYM22 | Brazil | R. Cultura de Sergipe, Aracaju, SE |
| 670 | 10 | ZYR56 | | R. Excelsior, São Paulo |
| | 10 | HJNX | Colombia | R. Tricolor, Medellin |
| | 50 | YVLL | Venezuela | R. Rumbos, Caracas |
| 675 | 10 | HCAV2 | Ecuador | R. Atalaya, Guayaquil |
| 680 | 25/5 | LU12 | Argentina | R. Rio Gallegos, Rio Gallegos |
| | 25/30 | LV6 | | R. Nihuil, Mendoza |
| | 10 | CP34 | Bolivia | R. Mendez, La Paz |
| | 2,5/5 | ZYF24 | Brazil | R. Dif. do Maranhão, São Luis |
| | 5 | ZYP20 | | R. Copacabana, Rio de Janeiro |
| | 10 | PRC2 | | R. Televisão Gaucha Porto Alegre |
| | 10 | CC68 | Chile | R. Universidad, Concepión |
| | 10 | HJAQ | Colombia | R. Miramar, Cartagena |
| | 10 | YVQF | Venezuela | R. Bolivar, Ciudad Bolivar |
| 690 | 5 | LRA9 | Argentina | R. Nacional, Esquel |
| | 10/5 | LRA4 | | R. Nacional, Salta |
| | 10 | ZYH29 | Brazil | R. Dragão do Mar, Fortaleza |
| | 10 | CB69 | Chile | R. Santiago, Santiago |
| | 10 | HJCZ | Colombia | La Voz de Colombia, Bogota |
| | 10/5 | CX8 | Uruguay | R. Sarandi, Montevideo |
| | 50 | YVMR | Venezuela | R. Barquisimeto, Barquisimeto |
| 700 | 50 | ZYR213 | Brazil | R. Eldorado, São Paulo |
| | 10 | HJCX | Colombia | R. Oro, Palmira |
| | 30 | HCJB1 | Ecuador | La Voz de los Andes, Quito |
| | 10 | ZP12 | Paraguay | R. Carlos Antonio Lopez, Pilar |
| | 10 | YVMH | Venezuela | R. Popular, Maracaibo |
| 710 | 50 | LS1 | Argentina | R. Municipal, Buenos Aires |
| | 10 | HJFT | Colombia | Ecos del Combeima, Ibague |
| | 5 | YVKY | Venezuela | La Voz de la Patria, Caracas |
| 720 | 20/5 | LV10 | Argentina | R. de Cuyo, Mendoza |
| | 10 | PRA8 | Brazil | R. Clube de Pernambuco, Recife |
| | 50 | ZYU58 | | R. Guaiba, Porto Alegre |
| | 10 | HJAN | Colombia | Emisoras Unidas, Barranquilla |
| | 10 | YVQR | Venezuela | R. Cumaná, Cumaná |
| 725 | 50 | SRS | Suriname | Suriname, Paramaribo |
| 730 | 20/5 | LRA3 | Argentina | R. Nacional, Santa Rosa |
| | 5 | LU14 | | R. Provincia de Sta Cruz Rio Gallegos |
| | 5/1 | LW7 | | R. Catamarca, Catamarca |
| | 5 | CP27 | Bolivia | La Cruz del Sur, La Paz |
| | 10 | CB73 | Chile | La Voz de Chile, Valparaiso |
| | 10 | HCMB2 | Ecuador | R. Guayaquil, Guayaquil |
| | 5/2,5 | CX10 | Uruguay | R. Ariel, Montevideo |
| | 10 | YVMT | Venezuela | R. Universo, Barquisimeto |
| 735 | 10 | HJCU | Colombia | R. Tricolor, Bogota |
| 740 | 50 | PRA4 | Brazil | R. Sociedade da Bahia, Salvador |
| | 10 | HJHB | Colombia | Ecos de Pasto, Pasto |
| | 10 | YVNC | Venezuela | R. Maracaibo, Maracaibo |
| 750 | 50 | LRA7 | Argentina | R. Nacional, Cordoba |
| | 50 | HJDK | Colombia | La Voz de Antioquia, Medellin |
| | 10 | YVKS | Venezuela | R. Caracas, Caracas |
| 760 | 75 | CB76 | Chile | La Voz de Chile, Santiago |
| | 10 | HJAJ | Colombia | La Voz de Barranquilla, Barranquilla |
| | 12/6 | HCRQ1 | Ecuador | R. Quito, Quito |
| | 10 | ZFY | Guiana | R. Demerara, Georgetown |
| | 20 | ZP5 | Paraguay | R. Encarnación, Encarnación |
| | 10 | YVQQ | Venezuela | R. Puerto La Cruz, Puerto La Cruz |
| 770 | 20 | | Brazil | R. Catolica Pirapitingui, Itu |
| | 30 | HJKH | Colombia | La Voz Amiga, Bogota |
| | 25 | CX12 | Uruguay | R. Oriental, Montevideo |
| | 50 | YVKK | Venezuela | R. Nacional, Valencia |
| 780 | 5 | LRA8 | Argentina | R. Nacional, Formosa |
| | 10 | LV8 | | R. Libertador, Mendoza |
| | 25 | PRL6 | Brazil | R. Jornal do Comercio, Recife |
| | 30 | HJZG | Colombia | R. El Pais, Cali |
| | 10 | OAX4X | Peru | R. Victoria, Lima |
| | 10 | YVQD | Venezuela | Ecos del Tordes, San Cristóbal |
| 790 | 50 | LR6 | Argentina | R. Mitre, Buenos Aires |
| | 10 | HJDC | Colombia | Ecos de la Montana, Medellin |
| | 5 | OAX2I | Peru | C.R.U., Trujillo |
| | 5 | YVKC | Venezuela | Radiodif. Venezuela, Caracas |
| 800 | 25 | PRA2 | Brazil | R. Ministerio da Educação, Rio de Janeiro |
| | 10 | HJBW | Colombia | R. Atalaya, Bucaramanga |
| | 10 | HCDE2 | Ecuador | R. Bolivar, Guayaquil |
| 810 | 10 | HJCY | Colombia | R. Sutatenza, Bogota |
| | 5 | OAX8S | Peru | R. San José, Indiana Marinas |
| | 25 | CX14 | Uruguay | R. El Espectador, Montevideo |
| | 10 | YVLP | Venezuela | R. 810, Valencia |
| 820 | 10/5 | LU2 | Argentina | R. Bahia Blanca, Bahia Blanca |
| | 20/3 | LT16 | | R. Splendid, Roque Saenz Peña |
| | 10 | ZYK37 | Brazil | R. de Universidad, Recife |

| kHz | kW | Call | Country | Name/Location |
|---|---|---|---|---|
| 820 | 50 | HJED | Colombia | La Voz del Rio Cauca, Cali |
| | 10 | YVSH | Venezuela | R. Guyana, Upata |
| 830 | 10/5 | LT8 | Argentina | R. Rosario, Rosario |
| | 10 | LV9 | | R.Güemes, Salta |
| | 10 | HJDM | Colombia | R. Vision, Medellin |
| | 10 | YVLT | Venezuela | R. Miranda, Los Teques |
| 840 | 5 | LV4 | Argentina | R. Splendid, San Rafael |
| | 10/5 | LT12 | | R. General Madariaga, Corrientes |
| | 10/5 | ZYD8 | Brazil | R. Excelsior da Bahia, Salvador |
| | 10/5 | PRH9 | | R. Bandeirantes, São Paulo |
| | 5/1 | ZYW42 | | R. Jornal de Goias, Goiana, GO |
| | 10 | CB84 | Chile | R. Portales, Valparaiso |
| | 10 | HJBI | Colombia | Ondas del Caribe, Santa Marta |
| | 10 | YVMY | Venezuela | R. Juventud, Barquisimeto |
| 850 | 50 | HJKC | Colombia | Emisoras Nuevo Mundo, Bogota |
| | 50 | CX16 | Uruguay | R. Carve, Montevideo |
| | 10 | YVLD | Venezuela | R. Valencia, Valencia |
| 854 | 10 | OAX4H | Peru | R. Nacional del Peru, Lima |
| 860 | 50 | PRA3 | Brazil | R. Mundial, Rio de Janeiro |
| | 10 | HJEP | Colombia | Voces de Occidente, Buga |
| | 10 | YVOL | Venezuela | R. Junin, San Cristóbal |
| 870 | 100 | LRA | Argentina | R. Nacional, Buenos Aires |
| | 10 | HJLA | Colombia | La Voz del Tolima, Ibague |
| | 5 | HCNY2 | Ecuador | R. Cristal, Guayaquil |
| | 5 | YVKO | Venezuela | R. Libertador, Caracas |
| 880 | 50 | PRI3 | Brazil | R. Indonfidencia Belo Horizonte |
| | 10 | ZYU33 | | R. Itai, Porto Alegre, RS |
| | 10 | HJGE | Colombia | R. Bucaramanga, Bucaramanga |
| | 10 | OBZ4N | Peru | R. Union, Lima |
| | 10 | YVMP | Venezuela | R. Lara, Barquisimeto |
| 890 | 20 | ZYK21 | Brazil | R. Tamandaré, Recife |
| | 10/5 | PRA6 | | R. Gazeta, São Paulo |
| | 5 | | | R. Alvorada de Londrina, Londrina, PR |
| | 5/2 | PRM3 | | R. Planalto, Brasilia, DF |
| | 5 | CB89 | Chile | R. Bulnes, Santiago |
| | 10 | HJCE | Colombia | La Voz de Bogota, Bogota |
| | 10/5 | CX18 | Uruguay | R. Libertad Sport, Montevideo |
| | 10 | YVLW | Venezuela | R. América, Valencia |
| 900 | 5 | LRA11 | Argentina | R. Nacional Comodoro Rivadavia |
| | 10/5 | LV7 | | R. Tucumán, Tucumán |
| | 10 | ZYI23 | Brazil | R.. Nordeste, Natal |
| | 10/5 | PRB7 | | R Tamoio, Rio de Janeiro |
| | 10 | HJEY | Colombia | La Voz de Cali, Cali |
| | 10 | OBX4X | Peru | R. El Sol, Lima |
| | 10 | YVMD | Venezuela | R. Mara, Maracaibo |
| 910 | 50 | LR4 | Argentina | R. Splendid, Buenos Aries |
| | 25 | HJDO | Colombia | La Voz del Rio Grande, Medellin |
| | 10 | YVRQ | Venezuela | R. Aeropuerto, Maiquetia |
| 920 | 10 | HJAE | Colombia | Emisoras Fuentes, Cartagena |
| | 10 | ZP1 | Paraguay | R. Nacional, Asuncion |
| | 10 | YVQX | Venezuela | R. Nueva Esparta, Porlamar |
| 930 | 10 | ZYM20 | Brazil | R. Liberdade de Sergipe, Aracaju |
| | 5 | PRJ3 | | R. Araguari, Araguari |
| | 10 | CB93 | Chile | R. Nuevo Mundo, Santiago |
| | 10 | HJCS | Colombia | R. Continental, Bogota |
| | 5 | OAX4E | Peru | R. Central, Lima |
| | 18 | CX20 | Uruguay | R. Monte Carlo, Montevideo |
| | 10 | YVLJ | Venezuela | R. Maracay, Maracay |
| 940 | 50 | PRF4 | Brazil | R. Jornal da Brasil, Rio de Janeiro |
| | 10 | HJGB | Colombia | La Voz Amiga, Cali |
| | 10 | YVNM | Venezuela | R. Punto Fijo, Punto Fijo |
| 950 | 100 | LR3 | Argentina | R. Belgrano, Buenos Aires |
| | 10 | HJFN | Colombia | La Voz del Café, Pereira |
| | 5 | YVKG | Venezuela | Ondas Populares, Caracas |
| 960 | 20/5 | LRA6 | Argentina | R. Nacional, Mendoza |
| | 20/5 | LW8 | | R. Jujuy, Jujuy |
| | 25/5 | LV2 | | R. La Voz de la Libertad, Córdoba |
| | 10 | ZYO4 | Brazil | R. Difusora de Alagoas, Maceio |
| | 10/5 | PRF3 | | R. Difusora de São Paulo, Sao Paulo, SP |
| | 5 | | | R. Atalaia, Belo Horizonte |
| | 10 | CB96 | Chile | R. José Miguel Carrera, Santiago |
| | 10 | HJHN | Colombia | R. Nacional, Manizales |
| | 10 | OAX4D | Peru | R. Panamericana, Lima |
| | 10 | YVRB | Venezuela | R. Monagas, Maturin |
| | 10 | YVOO | | R. Frontera, San Antonio del Tachira |
| 970 | 5/1 | ZYI2 | Brazil | R. Imembui, Santa Maria |
| | 5 | CC97 | Chile | R. Lautaro, Talca |
| | 10 | HJCI | Colombia | La Voz de la Victor, Bogota |
| | 10 | YVLR | Venezuela | R. Central, Maracay |
| 975 | 10 | HCAW2 | Ecuador | Ondas del Pacifico, Guayaquil |
| 980 | 50 | PRE8 | Brazil | R. Nacional, Rio de Janeiro |
| | 10 | HJES | Colombia | R. El Sol, Cali (Todelar) |
| | 10 | YVND | Venezuela | R. Servicio, Maracaibo |
| | 10 | YVMQ | | La Voz del Tigre, El Tigre |
| 985 | 5 | OBX4J | Peru | R. Expreso, Lima |
| 990 | 50 | LR5 | Argentina | R. Excelsior, Buenos Aires |
| | 10 | HJDB | Colombia | Voz de Medellin, Medellin |
| | 10 | YVRT | Venezuela | R. Tropical, Caracas |
| 1000 | 50 | PRB9 | Brazil | R. Record, São Paulo |
| | 100 | HJBU | Colombia | R. Nacional, Barranquilla |
| | 5 | HCEW2 | Ecuador | R. Suceso, Guayaquil |
| | 10 | YVOB | Venezuela | La Voz del Tachira, San Cristobal |
| | 10 | YVNM | | R. Mil, Morón |
| 1010 | 25/3 | LT4 | Argentina | R. Misiones, Posadas |
| | 10/3 | LV16 | | R. Ranquel, Rio Cuarto |
| | 5 | ZYN22 | Brazil | R. Bahia, Salvador, BA |
| | 5 | ZYO3 | | R. Chavantes, Itapemeri |
| | 10 | CB101 | Chile | R. Magallanes, Santiago |
| | 10 | HJBN | Colombia | La Voz Galeras, Pasto |
| | 10 | HJCC | | Emisora Mil Veinte, Bogota |
| | 10 | OAX4U | Peru | R. América, Lima |
| | 10 | CX24 | Uruguay | La Voz del Aire, Montevideo |
| | 10 | YVPC | Venezuela | R. Aragua, Cagua |
| 1015 | 5 | HJAI | Colombia | R. Kalamary, Barranquilla |
| 1020 | 10/5 | LT10 | Argentina | R. Universidad del Litoral, Santa Fé |
| | 5 | LV21 | | R. Golfo San Jorge, Santa Cruz |
| | 26 | CP4 | Bolivia | R. Illimani, La Paz |
| | 30/20 | | Brazil | R. Campos Gerais, Curtitiba |
| | 10 | HJFQ | Colombia | La Voz del Pueblo, Pereira |
| | 5 | ZPI4 | Paraguay | R. Nanduti, Asuncion |
| | 10 | YVSF | Venezuela | R. Caripito, Caripito |
| | 10 | YVMX | | R. Calendario, Maracaibo |
| 1025 | 10 | HJER | Colombia | R. Pacifico, Cali |
| 1030 | 25/5 | LRA15 | Argentina | R. Nacional, Tucumán |
| | 25/5 | LS10 | | R. Libertad, Buenos Aires |
| | 5 | ZYK27 | Brazil | R. Olinda de Pernambuco, Recife |
| | 7,5 | PRD8 | | R. Emiss. Continental, Rio de Janeiro |
| | 5 | HJDJ | Colombia | La Voz Libertadores, Duitama |
| | 10 | YVQY | Venezuela | R. Guanare, Guanare |
| 1040 | 50 | PRG2 | Brazil | R. Tupi, São Paulo |
| | 5 | HJCJ | Colombia | R. Melodia, Bogota |
| | 10 | YVON | Venezuela | R. Los Andes, Merida |
| | 10 | YVLB | | La Voz de Carabobo, Valencia |
| 1050 | 5 | HCAJ2 | Ecuador | R. Difusora del Ecuador, Guayaquil |
| | 20 | CX26 | Uruguay | S.O.D.R.E., Montevideo |
| | 10 | YVKZ | Venezuela | R. Nacional, Caracas |
| 1060 | 10 | PRD2 | Brazil | Emissora Metropolitana, Rio de Janeiro |
| | 100 | CB106 | Chile | R. Soc. Nac. de Mineria, Santiago |
| | 10 | HJFJ | Colombia | Transmisora Caldas, Manizales |
| | 5 | HJAZ | | R. Vigia, Monteria |
| | 10 | YVOE | Venezuela | R. San Cristóbal, San Cristóbal |
| 1070 | 100 | LR1 | Argentina | E. El Mundo, Buenos Aires |
| | 10 | HJAH | Colombia | Emisora Atlantico, Barranquilla |
| | 10 | HJGG | | R. Santa Fé, Bogota |
| 1080 | 5 | LU16 | Argentina | R. Rio Negro, Villa Regina |
| | 5 | ZYE28 | Brazil | R. Guajara, Belem |
| | 5 | ZYW38 | | R. Independencia, Goiania |
| | 5 | HJJF | Colombia | R. Musical, Cali |
| | 5 | HCFD2 | Ecuador | R. Noticia, Guayaquil |
| | 5 | OBX1D | Peru | R. San Miguel, Piura |
| | 10 | YVOV | Venezuela | R. Perija, Machiques |
| | 10 | YVQJ | | R. Barcelona, Barcelona |
| 1090 | 15/5 | LV5 | Argentina | R. Sarmiento, San Juan |
| | 10 | CP57 | Bolivia | R. Progreso, La Paz |
| | 10 | ZYI25 | Brazil | Emissora Rural, Natal |
| | 5 | | | R. Independencia, Brasilia |
| | 10 | HJBC | Colombia | La Voz de Cucutá, Cucutá |
| | 10 | HJFM | | La Voz de Armenia, Armenia |
| | 15 | CX28 | Uruguay | R. Imparcial, Montevideo |
| | 10 | YVPB | Venezuela | R. Yaracuy, San Felipe |
| 1100 | 50 | PRG9 | Brazil | R. Nacional, São Paulo |
| | 10 | HJCN | Colombia | R. Reloj, Bogota |
| | 10 | YVKE | Venezuela | R. Cultura, Caracas |
| | 10 | YVOP | | R. Tovar, Tovar |
| 1110 | 20/5 | LR2 | Argentina | R. Argentina, Buenos Aires |
| | 10 | PRI4 | Brazil | R. Tabajara, João Pessoa, PB |
| | 5 | PRF7 | | R. Cultura, Campos |
| | 10 | | Chile | R. Portales, Valparaiso |

| kHz | kW | Call | Country | Name/Location |
|---|---|---|---|---|
| 1110 | 10 | HJDI | Colombia | R. Bolivariana, Medellín |
| | 5 | HJFZ | | La Voz del Centro, Espinal |
| | 10 | YVQT | Venezuela | R. Carupano, Carupano |
| 1120 | 10/5 | LU7 | Argentina | R. General San Martín, Bahia Blanca |
| | 10 | ZYN20 | | R. Cultura da Bahia, Salvador |
| | 10/5 | | | R. Emissora Continental, Porto Alegre |
| | 5 | HJGH | Colombia | R. Comercio, Bucaramanga |
| | 10 | HJKQ | | R. Tunja, Tunja |
| | 20 | OBX4A | Peru | R. Nacional del Peru, Lima |
| | 10 | YVMF | Venezuela | Ondas del Lago, Maracaibo |
| 1130 | 20/5 | LV5 | Argentina | R. Splendid, Neuquen |
| | 25/5 | LV11 | | R. del Norte, Santiago del Estero |
| | 10 | ZYE20 | Brazil | R. Marajoara, Belém |
| | 10 | PRH8 | | Fundação R. Maua, Rio de Janeiro |
| | 10 | HJAC | Colombia | Emisoras Rio Mar, Barranquilla |
| | 5 | HJCO | | Emisora Sur America, Bogota |
| | 10/5 | CX30 | Uruguay | R. Nacional, Montevideo |
| 1140 | 25 | | Brazil | R. Clube Pirapitinga, Itu |
| | 10 | | | R. Acaiaca, Belo Horizonte |
| | 50 | CB114 | Chile | R. Corporación, Santiago |
| | 5 | HJNS | Colombia | R. Guatapuri, Valledupar |
| | 10 | HJTR | | R. Girardot, Girardot |
| | 10 | YVNI | Venezuela | R. Carora, Carora |
| 1150 | 25/5 | LU6 | Argentina | R. Atlantica, Mar del Plata |
| | 25/5 | LT5 | | R. Chaco, Resistencia |
| | 10 | HJLB | Colombia | R. Catatumbo, Ocaña |
| | 10 | HJGJ | | R. Sutatenza, Belencito |
| 1160 | 10/5 | LT3 | Argentina | R. Cerealiata, Rosario |
| | 10 | PRI9 | Brazil | R. Espirito Santo, Vitoria |
| | 10 | HJCK | Colombia | El Mundo en Bogota, Bogota |
| | 5 | HJZV | | R. Las Lajas, Ipiales |
| | 5 | OAX4C | Peru | R. Once Sesenta, Lima |
| | 10 | YVSD | Venezuela | R. Turismo, Valera |
| | 10 | YVRR | | R. Industrial, Guarenas |
| 1170 | 5 | PRC9 | Brazil | R. Educadora, de Campinas |
| | 10 | HJDP | Colombia | R. Colosal, Neiva |
| | 10/5 | CX32 | Uruguay | R. Sur, Montevideo |
| | 10 | YVQV | Venezuela | R. Acarigua, Acarigua |
| 1180 | 50 | PRE3 | Brazil | R. Globo, Rio de Janeiro |
| | 50 | CB118 | Chile | R. Diego Portales, Santiago |
| | 10 | HJGK | Colombia | R. Santander, Bucaramanga |
| | 10 | YVOR | Venezuela | R. Maturin, Maturin |
| | 10 | YVMB | | La Voz del Zulia, Maracaibo |
| 1190 | 5 | LR9 | Argentina | R. Antartida, Buenos Aires |
| | 10/5 | LW3 | | R. Splendid, Tucuman |
| | 5 | HJCT | Colombia | La Voz de la Costa, Barranquilla |
| | 10 | HJCV | | R. Cordillera, Bogota |
| | 10 | YVRE | Venezuela | R. Barinas, Barinas |
| 1200 | 25/5 | LU3 | Argentina | R. del Sur, Bahia Blanca |
| | 5/3 | LT6 | | R. Genaro, Goya |
| | 10 | PRE9 | Brazil | Ceará R. Clube, Fortaleza |
| | 10/5 | PRB6 | | R. Emissora de Piratininga, São Paulo |
| | 10 | YVOZ | Venezuela | R. Tiempo, Caracas |
| 1210 | 25/5 | LV3 | Argentina | R. Córdoba, Córdoba |
| | 10 | PRL8 | Brazil | R. Nacional de Brasilia, Brasilia |
| | 10 | HJBE | Colombia | R. Internacional, Cucuta |
| | 10 | HJFF | | La Voz Amiga, Pereira |
| | 10 | YVQ2 | Venezuela | La Voz de Anaco, Anaco |
| 1220 | 50 | PRA9 | Brazil | R. Mayrink Veiga, Rio de Janeiro |
| | 10 | HJAV | Colombia | R. Cordobesa, Monteria |
| | 10 | HJFV | | La Voz Litoral, Barranquilla |
| | 10 | YVRD | Venezuela | La Voz de Apure, San Fernando de Apure |
| 1230 | 15/5 | LT2 | Argentina | R. Splendid, Rosario |
| | 10 | HJFP | Colombia | R. Neiva, Neiva |
| | 5 | HJIL | | La Voz de las Americas, Medellin |
| | 10 | YVNT | Venezuela | R. Barlavento, Caucagua |
| 1240 | 10/5 | LU10 | Argentina | R. Azul, Azul |
| | 5/1 | ZYK36 | Brazil | R. Capibaribe doRecife, Recife |
| | 5/1 | PRE6 | | R. Alvorada de Brasilia, Brasilia |
| | 5 | HJFG | Colombia | La Voz de Comercio, Armenia |
| | 5 | HJGN | | R. Barranca Bermeja |
| 1250 | 5/2 | LT17 | Argentina | R. Provincia de Misiones, Posadas |
| | 5 | LV13 | | R. Granaderos Puntanos, San Luis |
| | 5 | OAX4L | Peru | R. Miraflores, Lima |

| kHz | kW | Call | Country | Name/Location |
|---|---|---|---|---|
| 1250 | 10 | YVQM | Venezuela | R. Puerto Ordaz, Puerto Ordaz |
| 1260 | 5/2,5 | LT9 | Argentina | R. Santa Fé, Santa Fé |
| | 10/5 | PRA5 | Brazil | R. São Paulo, São Paulo |
| | 10 | ZYG | | R. Clube do Piaui, Teresina |
| 1270 | 30/5 | LSH | Argentina | R. Prov. de Buenos Aires, La Plata |
| | 5/1 | ZYU44 | Brazil | R. Clube Metropole, Porte Alegro |
| | 10 | ZYX9 | | R. Brasil Central, Goiania |
| | 10 | CB127 | Chile | R. Soc. Nac. de Mineria, Vina del Mar |
| 1280 | 50 | PRG3 | Brazil | R. Tupi, Rio de Janeiro |
| | 5 | | Peru | R. Noticias, Lima |
| | 10 | YVSQ | Venezuela | R. Nacional, San Fernando de Apure |
| 1300 | 10 | LU13 | Argentina | R. Necochea, Necochea |
| | 10/5 | ZYR7 | Brazil | R. Iracema de Fortaleza, Fortaleza |
| | 10/5 | PRE4 | | R. Cultura, São Paulo |
| | 10 | CB130 | Chile | Emisora Pres. Balmaceda, Santiago |
| | 10 | YVKH | Venezuela | R. Crono Radar, Petare |
| 1310 | 5 | LRA5 | Argentina | R. Nacional, Rosario |
| 1320 | 10 | | Brazil | Voz de Amazonia, Manaus |
| | 10 | ZYZ34 | | R. Rio de Janeiro, Rio de Janeiro |
| | 5 | ZYS68 | | R. Cruzeiro do Sul, Curitiba |
| | 5/1 | ZYT31 | | R. Herval d'Oeste, Joacaba |
| | 5/1 | ZYG3 | | R. Clube de Goiania, Goiania |
| | 10 | CC132 | Chile | R. Simon Bolivar, Concepción |
| | 10 | OAX4I | Peru | R. La Cronica, Lima |
| | 5 | YVSG | Venezuela | R. Colonial, El Tocuyo |
| 1330 | 10/2,5 | LT14 | Argentina | R. General Urquiza, Parana |
| | 10 | ZYE25 | Brazil | R. Difusora do Para, Bélem |
| 1340 | 25/5 | PRH6 | Brazil | R. Guarani, Belo Horizonte |
| 1350 | 20/5 | LS6 | Argentina | R. América, Buenos Aires |
| | 5/1 | ZYN35 | Brazil | R. Difusora Sul da Bahia, Itabuna |
| | 5 | PRH5 | | R. Cultura, Pocos de Caldas |
| 1360 | 10 | ZYH25 | Brazil | R. Uirapuru, Fortaleza |
| | 10 | PRC8 | | R. Guanabara, Rio de Janeirc |
| | 5 | ZYS86 | | R. Independencia do Paraná, Curitiba |
| | 10 | CC136 | Chile | R. Universidad, Concepción |
| | 5 | CW41 | Uruguay | Bc. San José, San José |
| 1370 | 5 | ZYK31 | Brazil | R. Continental, Recife |
| | 5 | ZYF3 | | R. Difusora Mearim, Caxias |
| 1380 | 50 | CB138 | Chile | R. Cruz del Sur, Santiago |
| 1390 | 6 | LR11 | Argentina | R. Universidad Nacional, La Plata |
| 1400 | 5 | ZYH30 | Brazil | R. Educadora de Cariri, Crato |
| | 10 | PRD | | R. Roqueto Pinto, Rio de Janeiro |
| | 5 | ZYS76 | | R. Cruzeiro, Londrina |
| | 10/5 | CX140 | Uruguay | R. Zorilla de San Martin, Tacuarembo |
| 1410 | 10 | ZYH26 | Brazil | R. Verdes Mares, Fortaleza |
| | 10/5 | PRE7 | | R. America, São Paulo |
| | 5 | HCMJ1 | Ecuador | Emisora Gran Colombia Quito |
| | 5 | CX44 | Uruguay | R. Austral, Montevideo |
| | 5 | YVST | Venezuela | R. Turén, Turén |
| 1420 | 5/2,5 | ZYJ7 | Brazil | Soc. R. Guaruja, Florianapolis |
| 1430 | 5 | PRE2 | | R. Vera Cruz, Rio de Janeiro |
| 1440 | 20/10 | PRB2 | Brazil | R. Clube Paranaense, Curitiba. |
| | 10 | | | R. Baré, Manaus |
| 1450 | 10 | PRC5 | Brazil | R. Clube do Para, Bélem |
| | 5/2,5 | PRB4 | | R. Clube de Santos, Santos |
| | 5/2,5 | ZYP36 | | Campos Difusora, Campos |
| | 5/2,5 | CX46 | Uruguay | R. América, Montevideo |
| 1460 | 20 | PRF2 | Brazil | R. Clube de Rio Claro, Rio Claro |
| 1470 | 5/0,5 | ZYF3 | | R. Caxias do Sul, Caxias do Sul |
| | 5 | OBX4E | Peru | R. Inca, Lima |
| 1480 | 5 | PRD3 | Brazil | R. Difusora Petropolis, Petropolis |
| 1490 | 5 | PRJ9 | | R. Timbira do Maranhão, São Luis |
| 1500 | 10 | CA150 | Chile | R. Patricio Lynch, Iquique |
| 1510 | 10 | ZYU74 | Brazil | R. Maristela, Torres |
| 1530 | 10 | ZYR205 | | R. Iperoig de Ubatuba, Ubatuba |
| 1540 | 10 | ZYU63 | Brazil | R. Osorio, Osorio |
| | 10 | CA154 | Chile | R. El Morro, Arica |
| 1560 | 10 | OCX4F | Peru | R. Mundo, Huanacayo |
| 1590 | 5 | OAZ4Z | Peru | R. Agricultura, Lima |

# SHORT WAVE STATIONS OF THE WORLD

compiled by Tor-Henrik Ekblom.

*Standard Frequency Station. †Time Signal Station. Br.=Brazil, Cl.=Cultura, Col.=Colombia, Czecho.=Czechoslovakia, Ger.=Germany, Guat.=Guatemala, Hon.=Honduras, Isl.=Island, Venez.=Venezuela.

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 2160 | 139.39 | 0.25 | XEVJ | Chipancingo, Mexico | |
| 2200 | 136.4 | | | Foochon, China | |
| 2246 | 133.6 | 4 | | St. Denis, Réunion | |
| 2312 | 129.8 | 2 | YDB | Djakarta, Indonesia | |
| 2340 | 128.4 | | | Foochon, China | |
| | 128.4 | 0.1 | TGRW | S. Cruz Barillas, Guatemala. | |
| | 128.4 | 0.5 | ZYV30 | R. Dif. Brasileira, Brazil | |
| | 128.4 | 1 | YVPL | R. Nueva Esparta, Venezuela | |
| 2350 | 127.6 | | | Tsinan, China | |
| | 127.6 | 1 | YDJ3 | Jogjakarta, Indonesia | |
| | 127.6 | 1 | TGSC | La Voz de Candelaria, Guat | |
| | 127.6 | 1 | ZYB | R. Dif. Itacoatiara, Brazil | |
| | 127.6 | 1 | YVPH | R. Gauriço, Venezuela | |
| 2355 | 127.4 | 2.5 | | Lusaka, Zambia | |
| 2360 | 127.1 | 0.75 | TGRA | R. Maya, Guatemala | |
| | 127.1 | 0.25 | | R. Dif. Parintins, Brazil | |
| | 127.1 | 1 | | R. Cult. do Nordeste, Brazil | |
| | 127.1 | 0.5 | YVQG | R. Carúpano, Venezuela | |
| 2370 | 126.6 | 1 | YDI3 | Surabaja, Indonesia | |
| | 126.6 | 1 | YVQP | R. Puerto La Cruz, Venezuela | |
| 2380 | 126.0 | 1 | | Tandjung Karang, Indonesia | |
| | 126.0 | 0.35 | XESE | México City, México | |
| | 126.0 | 0.25 | | R. Educ. Limeira, Brazil | |
| 2390 | 125.5 | 1/0.75 | YDN | Kotaradja, Indonesia | |
| | 125.5 | 1/0.3 | YDA6 | Tjirebon, Indonesia | |
| | 125.5 | 0.5 | XEJN | México City, México | |
| | 125.5 | 0.5 | ZYV71 | R. Mundo Melhor, Brazil | |
| 2400 | 125.0 | 0.1 | | R. Mossoró, Brazil | |
| | 125.0 | 0.5 | | R. Dif. Amparo, Brazil | |
| 2410 | 124.5 | 0.25 | VL9CG | R. Goroka, New Guinea | |
| | 124.5 | 0.25 | 4VU | R. Lumière, Haiti | |
| | 124.5 | 1 | | R. Em. Educ. Rural, Brazil | |
| | 124.5 | 1 | | R. Sirena, Brazil | |
| 2415 | 124.2 | | | Wenchow, China | |
| 2420 | 124.0 | 0.25 | YDA2 | Bandung, Indonesia | |
| | 124.0 | 0.25 | YDU7 | Singaradja, Indonesia | |
| | 124.0 | 0.5 | ZYV32 | R. Carajá, Brazil | |
| | 124.0 | 0.25 | | R. Carolina, Brazil | |
| | 124.0 | 0.5 | | R. São Carlos, Brazil | |
| | 124.0 | 0.5 | HCIW5 | R. El Mercurio, Ecuador | |
| 2430 | 123.5 | | | Fukien, China | |
| | 123.5 | 0.06 | | Malang, Indonesia | |
| | 123.5 | 1 | YDK | Palembang, Indonesia | |
| | 123.5 | 0.2 | HCEM3 | R. El Progreso, Ecuador | |
| | 123.5 | 1 | YVPM | Esc. Radiofonicas, Venezuela | |
| 2440 | 122.9 | 1 | YDG3 | Surakarta, Indonesia | |
| | a122.9 | 1 | YVPM | Esc. Radiofonicas, Venezuela | |
| | 122.9 | 1 | YVLG | R. Girardot, Venezuela | |
| 2442 | 122.8 | 1 | | Tel Aviv, Israel | |
| 2450 | 122.5 | 0.25 | VL9CH | R. Mt. Hagen, New Guinea | |
| | 122.5 | 0.25 | 4VSO | R. 4VEH, Haiti | |
| | 122.5 | 0.5 | ZYR231 | Cultura de Aracatuba, Brazil | |
| | 122.5 | 1 | YVOX | R. Los Llanos, Venezuela | |
| 2455 | 122.2 | 10 | | Lusaka, Zambia | |
| 2460 | 121.9 | 2 | YDB | Djakarta, Indonesia | |
| | 121.9 | 0.45 | HCRT6 | R. Paz y Bien, Ecuador | |
| 2470 | 121.5 | 1 | HLK23 | Chunchon, Korea | |
| | 121.5 | 0.5 | ZYR99 | R. Cacique, Brazil | |
| | 121.5 | 1 | HCJX6 | R. Cult. Religiosa, Ecuador | |
| | 121.5 | 0.2 | YVNI | R. Carorá, Venezuela | |
| 2475 | 121.2 | | | Hangchow, China | |
| 2480 | 121.0 | 10 | YDL | Padang, Indonesia | |
| | 121.0 | 1 | ZYR | R. Bragança, Brazil | |
| | 121.0 | 1 | YVPD | R. Tiempo, Venezeula | |
| 2490 | 120.5 | 0.3 | YDK3 | Djambi, Indonesia | |
| | 120.5 | 0.3 | YDQ | Makassar, Indonesia | |
| | 120.5 | 0.3 | YDH | Semarang, Indonesia | |
| | 120.5 | 0.45 | HCHW2 | R. Rey, Ecuador | |
| 2495a | 120.2 | 2 | HCVA4 | Estación de la Alegria, Ec. | |
| *2500 | 120.0 | 1 | OMA | Praha, Czechoslovakia | |
| * | 120.0 | 5 | FFH | Bagneux, France | |
| * | 120.0 | 0.5 | MSF | Teddington, Gt. Britain | |
| * | 120.0 | 2 | JJY | Tokyo, Japan | |
| * | 120.0 | 0.3 | ZLFS | Lovwer Hutt, New Zealand | |
| * | 120.0 | 2.5 | WWH | Lanham, USA | |
| * | 120.0 | 1 | WWVH | Lanham, USA | |
| 2510 | 119.5 | 10 | HLK50 | Seoul, Korea | |
| 2600 | 115.4 | | | Fukien, China | |
| †2614 | 114.5 | 10 | DAM | Elmshorn, Germany | |
| † | 114.8 | 2 | | Norddeich, Germany | |
| 2635 | 113.9 | 0.3 | | Seoul (VUNC), Korea | |
| 2690 | 111.5 | | | Harbin, China | |
| †2775 | 108.1 | 10 | DAM | Elmshorn, Germany | |
| † | 108.1 | 2 | DAO | Kiel, Germany | |
| 2800 | 107.1 | 20/240 | | R. Peking, China | |
| | 107.1 | | | Fukien, China | |
| 2975 | 100.8 | 10/2 | YDI2 | Surabaja, Indonesia | |
| 3000 | 100.0 | 2.7 | | Maldive Isl. Bc. Sce, M. Isl. | |
| †3170 | 94.06 | 8 | OLB5 | Praha, Czechoslovakia | |
| 3200 | 93.75 | 20/240 | | R. Peking, China | |
| | 93.75 | | | Fukien, China | |
| 3202 | 93.69 | 2 | | Bangkok, Thailand | |
| 3204 | 93.64 | 10 | | Ibadan (NBC), Nigeria | |
| 3205 | 93.60 | 10 | | AIR Lucknow, India | |
| | 93.60 | 10 | YDA | Bandung, Indonesia | |
| | 93.60 | 1 | YVRV | R. Litoral, Venezuela | |
| 3210 | 93.44 | 10/0.25 | | Quelimane, Moçambique | |
| | 93.44 | 1.5 | | St. Denis, Réunion | |
| | 93.44 | 0.5 | HIMP | R. Ocoa, Dom. Rep. | |
| 3215 | 93.30 | 3.5 | BED59 | Taipei (BCC),Taiwan | |
| | 93.30 | 0.3 | OBZ4C | R. Mundo, Peru | |
| | 93.30 | 1 | YVOE | Ondas Panamericanas, Venez. | |
| 3218 | 93.22 | 5/100 | | R. Clube de Moçambique | |
| 3220 | 93.17 | 20/240 | | R. Peking, China | |
| | 93.17 | 1.5 | HCRE1 | R. Nacional Espejo, Ecuador | |
| 3222 | 93.10 | 30 | | R. Mauritania, Mauritania | |
| | 93.10 | 4/100 | | Lomé, Togo | |
| 3223 | 93.09 | 2.5 | | AIR Simla, India | |
| | 93.09 | 1 | YDV5 | Mataram, Indonesia | |
| 3225 | 93.05 | 10 | | R. St. ELWA, Liberia | |
| 3230 | 93.00 | 1.5 | BED31 | Taipei (BCC), Taiwan | |
| | 93.00 | 10 | VRH8 | Suva, Fiji Islands | |
| | 93.00 | 0.4 | OBX7D | R. El Sol, Peru | |
| 3232 | 92.82 | 1.5 | | R. Brazzaville, Congo | |
| | 92.82 | 0.3 | YDM | Bukittinggi, Indonesia | |
| 3235 | 92.74 | 10 | | AIR Gauhati, India | |
| | 92.74 | 1 | YVKV | Emis. Vargas, Venezuela | |
| 3238 | 92.65 | | | Urumchi, China | |
| 3240 | 92.59 | 0.3 | | Beira, Mozambique | |
| | 92.59 | 50 | | Baghdad, Iraq | |
| | 92.59 | 0.3 | HCJH1 | R. Turismo, Ecuador | |
| | 92.59 | 1 | OBX4U | R. América, Peru | |
| | 92.59 | 0.05 | | R. Nickerie, Surinam | |
| 3241 | 92.56 | 10 | YDR3 | Ambon, Indonesia | |
| | 92.56 | 1 | YDM | Sibolga, Indonesia | |
| 3242 | 92.54 | 25 | | Abidjan, Ivory Coast | |
| 3245 | 92.45 | 0.25 | VL8BK | R. Kerema, New Guinea | |
| | 92.45 | 1 | ZYL23 | R. Educ. Palmares, Brazil | |
| | 92.45 | 0.2 | HCLM5 | R. 24 de Junio, Ecuador | |
| | 92.45 | 1 | YVKT | R. Libertador, Venezuela | |
| 3250 | 92.31 | 0.25 | CR6RF | R. Clube de Benguela, Angola | |
| | 92.31 | 1 | YDO | Bandjarmasin, Indonesia | |
| | 92.31 | 0.4 | OAZ4G | R. La Oroya, Peru | |
| 3251 | 92.28 | 5 | | R. Tanzania, Tanzania | |
| 3255 | 92.16 | 10 | ELBC | Liberian Bc. Corp, Liberia | |
| | 92.16 | 0.5 | ZYN62 | R. Clube de Marilia, Brazil | |
| | 92.16 | 1 | YVQL | Le Voz del Tigre, Venezuela | |
| 3259 | 92.05 | 5 | YDV | Kupang, Indonesia | |
| 3260 | 92.02 | 4 | | R. Niger, Niger | |
| | 92.02 | | | Kweiyang, China | |
| 3264 | 91.90 | 4 | | R. TV Congolaise, Congo | |
| 3265 | 91.87 | 5/100 | | R. Clube de Moçambique | |
| | 91.87 | 0.25 | ZK6 | R. Rarotonga, Cook Islands | |
| | 91.87 | 1 | HIRM | R. Sol, Dom. Rep. | |
| | 91.87 | 4 | ZYR92 | R. Ribeirão Preto, Brazil | |
| | 91.87 | 1 | ZYK21 | R. Tamandaré, Brazil | |
| | 91.87 | 2 | ZFY | R. Demerara, Br. Guiana | |
| | 91.87 | 0.2 | HCMZ6 | La Voz del Dorado, Ecuador | |
| | 91.87 | 1 | YVOC | R. Nirgua, Venezuela | |
| 3268 | 91.78 | 1 | | R. Timor, Timor | |
| 3270 | 91.75 | 4 | | R. Dahomey, Dahomey | |
| | 91.75 | 120 | | Lusaka, Zambia | |
| | 91.75 | 20/240 | | R. Peking, China | |
| 3275 | 91.60 | 1 | ZYR31 | R. Clube Bauru, Brazil | |
| | 91.60 | 0.2 | HCVU2 | La Voz de Urdaneta, Ecuador | |
| | 91.60 | 1 | YVMC | R. Mara, Venezuela | |
| 3277 | 91.55 | | | R. Kashmir, India | |
| | 91.55 | 7.5 | YDD | Djakarta, Indonesia | |
| | 91.55 | 1 | YJB3 | Port Vila, New Hebrides | |
| | 91.55 | 0.3 | DYB4 | Dumaguete City, Philippines | |
| 3280 | 91.40 | 5 | | Grenada, Windward Islands | |
| | 91.40 | 1 | OBX1E | R. San Miguel, Peru | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 3284 | 91.35 | 10 | VRM9 | Suva, Fiji Islands | |
| 3285 | 91.32 | 1 | ZYR89 | R. Aparecida, Brazil | |
| | 91.32 | 1 | | Emiss. Educ. Rural, Brazil | |
| | 91.32 | 1 | YVLE | R. Puerto Cabello, Venezuela | |
| 3286 | 91.26 | 1 | YDG6 | Madiun, Indonesia | |
| | 91.26 | 2.5 | DUB4 | Philipp. Bc. Sce, Philippines | |
| 3288 | 91.24 | 30 | | Tananarive, Malagasy Rep. | |
| 3290 | 91.19 | 20/240 | | R. Peking, China | |
| | 91.19 | 0.5 | OBZ4E | R. Universal, Peru | |
| 3295 | 91.05 | 10/100 | VUB | AIR Bombay, India | |
| | 91.05 | 5 | YDV | Kupang, Indonesia | |
| | 91.05 | 7.5 | YDJ | Samarinda, Indonesia | |
| | 91.05 | 1 | ZYM22 | R. Cult. Serguipe, Brazil | |
| | 91.05 | 1 | ZYX28 | R. Educ. Rural, Brazil | |
| | 91.05 | 0.5 | ZYV75 | R. Educ. de Uberlandia, Br. | |
| | 91.05 | 1 | YVOG | R. Trujillo, Venezuela | |
| \3300 | 90.91 | 4 | | R. Gabon, Gabon | |
| | 90.91 | 5 | | Belize, Honduras (BR) | |
| | 90.91 | 0.45 | OBX4Y | R. Junin, Peru | |
| 3305 | 90.77 | 0.25/10 | VUC | AIR Calcutta, India | |
| | 90.77 | 10 | VL8BD | R. Daru, New Guinea | |
| | 90.77 | 1 | DZCA | NCDAF, Philippines | |
| | 90.77 | 1 | YVKX | La Voz de la Patria, Venez. | |
| 3306 | 90.73 | 10 | | Gwelo, Rhodesia | |
| 3308 | 90.70 | 1.5 | HCHA2 | Ondas Quevedañas, Ecuador | |
| 3310 | 90.63 | 10/0.25 | | Quelimane, Moçambique | |
| 3315 | 90.50 | 10 | | AIR Bhopal, India | |
| | 90.50 | 1 | YDI6 | Djember, Indonesia | |
| | 90.50 | 4 | | R. Martinique, Martinique | |
| | 90.50 | 1 | ZYL21 | R. Gazeta de Alagoas, Brazil | |
| | 90.50 | 0.5 | ZYV63 | R. Itatiaia, Brazil | |
| | 90.50 | 1 | YVLI | R. Maracay, Venezuela | |
| 3316 | 90.46 | 5/10 | | Freetown, Sierra Leone | |
| 3320 | 90.34 | 1.5 | HCHA2 | Ondas Quevedañas, Ecuador | |
| | 90.34 | 1 | OBZ4I | R. Erpa, Peru | |
| 3325 | 90.23 | 1 | YDZ7 | Palankaraya, Indonesia | |
| | 90.23 | 10 | 8FW34 | Sukarnopura, Indonesia | |
| | 90.23 | 2 | ZYJ21 | R. Borborema, Brazil | |
| | 90.23 | 0.1 | ZYR220 | R. Dif. Guarulhas, Brazil | |
| | 90.23 | 0.5 | OAX3P | R. Tingo Maria, Peru | |
| | 90.23 | 5 | YVRA | R. Monagas, Venezuela | |
| 3326 | 90.20 | 7.5 | | Kaduna (NBC), Nigeria | |
| 3329 | 90.12 | 15 | | Maldive Isl. Bc. Sce, M. Isl. | |
| †3330 | 90.09 | 3 | CHU | Dominion Observatory, Can. | |
| | 90.09 | 1 | OAX1M | R. Progreso, Peru | |
| 3331 | 90.06 | 4 | | Dzaoudzi, Comores Islands | |
| 3335 | 89.95 | 10 | VL9CD | R. Wewak, Papua & N. Guin. | |
| | 89.95 | 10 | BED20 | Taipei (BCC), Taiwan | |
| | 89.95 | 1 | | R. Capibaribe, Brazil | |
| | 89.95 | 1 | ZYE24 | R. Marajoará, Brazil | |
| | 89.95 | 0.5 | ZYR59 | Vóz do Sertão, Brazil | |
| 3336 | 89.95 | 4 | | Ziguinchor, Senegal | |
| 3338 | 89.87 | 5/100 | | R. Clube de Moçambique | |
| 3339 | 89.85 | 10 | | R. Tanzania, Zanzibar | |
| 3340 | 89.81 | 3/8 | | Kampala, Uganda | |
| | 89.81 | 2 | HCVA4 | La Estación de la Alegria, Ec. | |
| 3345 | 89.68 | 2 | | R. Kashmir, India | |
| | 89.68 | 10 | YDW1 | Pontianak, Indonesia | |
| | 89.68 | 1 | YDI20 | Sumenep, Indonesia | |
| | 89.68 | 1 | | R. Alvorada, Brazil | |
| | 89.68 | 1 | YVPE | R. Central, Venezuela | |
| 3346 | 89.68 | 20 | | Lusaka, Zambia | |
| 3350 | 89.55 | 4 | | Franceville, Gabon | |
| | 89.55 | 10/20 | | Accra, Ghana | |
| | 89.55 | 1 | CP103 | R. 27 de Diciembre, Bolivia | |
| | 89.55 | 1 | OAX5J | R. Independencia, Peru | |
| 3355 | 89.42 | 10/0.25 | | Nampula, Moçambique | |
| | 89.42 | 10 | | AIR Hyderabad, India | |
| | 89.42 | 7.5 | | AIR Kurseong, India | |
| | 89.42 | 4 | | R. Nouméa, New Caledonia | |
| | 89.42 | 0.25 | HIBD | La Voz Romana, Dom. Rep. | |
| | 89.42 | 0.2 | HCDR4 | R. Miramar, Ecuador | |
| | 89.42 | 1 | OAX3Q | R. Ondas de Huallaga, Peru | |
| | 89.42 | 0.3 | OBX4Z | R. Luz, Peru | |
| | 89.42 | 1 | YVLC | R. Valencia, Venezuela | |
| 3356 | 89.40 | 10 | ZND | Gaberones, Botswana | |
| 3360 | 89.29 | 20/240 | | R. Peking, China | |
| | 89.29 | 0.2 | TGVN | La Voz Nabualá, Guatemala | |
| | 89.29 | 0.5 | OAX3D | R. Huánuco, Peru | |
| 3365 | 89.15 | | | Lanchow, China | |
| | 89.15 | 10/100 | VUD | AIR Delhi, India | |
| | 89.15 | 0.5 | 8FW5 | Manokwari, Indonesia | |
| | 89.15 | 1 | HIRL | R. Exitos, Dom. Rep. | |
| | 89.15 | 1 | YVPM | R. Tovar, Venezuela | |
| 3366 | 89.12 | 10/20 | | Accra, Ghana | |
| | 89.12 | 10/0.25 | | Nampula, Moçambique | |
| 3370 | 89.02 | 4 | | R. Université, Malagasy Rep. | |
| | 89.02 | 0.5 | CP85 | R. Universidád, Bolivia | |
| 3372 | 88.96 | 0.25 | HCDY4 | R. Iris, Ecuador | |
| 3373 | 88.94 | 5/100 | | R. Clube de Moçambique | |
| 3375 | 88.89 | 10 | CR6RZ | R. Angola, Angola | |
| | 88.89 | 10 | | AIR Gauhati, India | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 3375 | 88.89 | 1 | YDK7 | Djambi, Indonesia | |
| | 88.89 | 1 | HIAD | R. San Juan, Dom. Rep. | |
| | 88.89 | 1 | ZYK28 | R. Olinda Pernambuco, Br. | |
| | 88.89 | 1 | YVMI | La Voz de la Fé, Venezuela | |
| 3376 | 88.86 | 50 | | Conakry, Guinea | |
| 3378a | 88.81 | 0.25 | HCDY4 | R. Iris, Ecuador | |
| 3380 | 88.76 | 10 | | Blantyre, Malawi | |
| | 88.76 | 10 | | Ibadan (WNBS), Nigeria | |
| | 88.76 | 1 | TGCH | R. Shortis, Guatemala | |
| | 88.76 | 1 | OAX1O | R. Chiclayo, Peru | |
| 3385 | 88.63 | 50 | | Conakry, Guinea | |
| | 88.63 | 10 | | Colombo, Ceylon | |
| | 88.63 | 0.5 | | Kupang, Indonesia | |
| | 88.63 | 10 | VL9BR | R. Rabaul, New Guinea | |
| | 88.63 | 0.5 | | R. Clube Teresina, Brazil | |
| | 88.63 | 0.5 | ZYS45 | R. Dif. do Paraná, Brazil | |
| | 88.63 | 4 | | Cayenne, Fr. Guiana | |
| | 88.63 | 1 | OBZ4M | La Voz del Valle Montaro, P. | |
| | 88.63 | 1 | YVQI | R. Barcelona, Venezuela | |
| 3390 | 88.50 | 120/240 | | R. Peking, China | |
| | 88.50 | 1 | HCOT1 | R. Zaracay, Ecuador | |
| | 88.50 | 0.3 | OCX4R | R. Industrial, Peru | |
| 3395 | 88.37 | 1 | YDP2 | Medan, Indonesia | |
| | 88.37 | 0.15 | | Purwokerto, Indonesia | |
| | 88.37 | 0.5 | 8FW50 | Biak, Indonesia | |
| | 88.37 | | | R. Dif. Goiania, Brazil | |
| | 88.37 | 1 | | R. Tapuyo de Mossoró, Br. | |
| | 88.37 | 0.35 | PZX4 | R. Suriname, Surinam | |
| | 88.37 | 1 | YVOJ | R. Universidád, Venezuela | |
| 3396 | 88.34 | 10 | | Kaduna (NBC), Nigeria | |
| | 88.34 | 20 | | Gwelo, Rhodesia | |
| 3400 | 88.24 | | | Fukien, China | |
| 3435a | 87.34 | 0.5 | OAX3Q | Ondas de Huallaga, Peru | |
| 3448 | 87.11 | 0.75 | | Purwokerto, Indonesia | |
| 3450 | 86.96 | 120/240 | | R. Peking, China | |
| 3465 | 86.58 | 1 | | Pakanbaru, Indonesia | |
| 3500 | 85.71 | 20/240 | | R. Peking, China | |
| 3515 | 85.35 | 0.2 | HCKD5 | R. Centro Gualaceo, Ecuador | |
| 3520 | 85.23 | 0.2 | HCCY4 | R. Escuelas Radiales, Ecuad. | |
| 3535 | 84.87 | | | Fukien, China | |
| 3615 | 82.99 | 0.4 | HCGS6 | R. Pillaro, Ecuador | |
| 3630 | 82.64 | 0.5 | HCOS4 | La Voz del Rio Carrizal, Ec. | |
| 3650a | 82.19 | | | R. Tumaco, Colombia | |
| 3660 | 81.97 | 20/240 | | R. Peking, China | |
| 3704 | 80.99 | 1 | CR6RD | Nova Lisboa, Angola | |
| 3740 | 80.21 | 0.75 | CR6RM | Moçamedes, Angola | |
| 3755 | 79.90 | 0.4 | HCBM6 | R. Latacunga, Ecuador | |
| 3795 | 79.05 | 20/240 | | R. Peking, China | |
| 3815 | 78.64 | 20/240 | | R. Peking, China | |
| | 78.64 | 0.3 | HCPZ1 | R. Rumichaca, Ecuador | |
| 3824 | 78.46 | 0.1 | ZNF4V | Maseru, Lesotho | |
| 3830 | 78.33 | 20/240 | | R. Peking, China | |
| 3835 | 78.23 | 0.35 | HCWN1 | La Voz del Triunfo, Ecuador | |
| 3870 | 77.52 | 100 | | R. Iran, Iran | |
| 3875 | 77.41 | 1 | | Bogor, Indonesia | |
| 3880 | 77.32 | 20/240 | | R. Peking, China | |
| 3883 | 77.25 | 5/0.5 | CR4AA | R. Cl. Cabo Verde, Cape V. Isl. | |
| 3890 | 77.12 | 0.5 | OAX3G | R. Chimbote, Peru | |
| 3900 | 76.92 | 20/240 | | R. Peking, China | |
| | 76.92 | | | Fukien, China | |
| 3905 | 76.83 | 20/240 | | R. Peking, China | |
| | 76.83 | 10/100 | VUD | AIR Delhi, India | |
| | 76.83 | 0.5 | YJB4 | Port Vila, New Hebrides | |
| 3910a | 76.73 | 1 | CR4AC | R. Barlavento, Cape V. Isl. | |
| | 76.73 | 10/1 | | Tokyo (FEN), Japan | |
| | 76.73 | 5 | HLK51 | Seoul, Korea | |
| 3915 | 76.64 | 15/100 | | BBC London, Gt. Britain | |
| | 76.64 | 20/240 | | R. Peking, China | |
| | 76.64 | 0.3 | YDZ | Ternate, Indonesia | |
| | 76.64 | 7.5/100 | | BBC, Malaysia | |
| 3920 | 76.53 | 20/240 | | R. Peking, China | |
| 3925 | 76.43 | 50 | JOZ | Tokyo, Japan | |
| | 76.43 | 10 | VLK3 | Port Moresby, Australia | |
| 3930 | 76.34 | | | Huhehot, Inner Mongolia | |
| 3935 | 76.24 | 5 | YDH2 | Semarang, Indonesia | |
| | 76.24 | 35/100 | | Okinawa (VOA), Ryuku Isl. | |
| 3940 | 76.15 | 20/240 | | R. Peking, China | |
| | 76.15 | 2.5 | ZBW3 | R. Hong Kong | |
| 3945 | 76.05 | 1 | YDU2 | Denpassar, Indonesia | |
| | 76.05 | 0.3 | YDZ2 | Ternate, Indonesia | |
| | 76.05 | 10 | JOZ4/5 | Sapporo/Tokyo, Japan | |
| | 76.05 | 0.5 | DXB3 | Cotabato, Philippines | |
| 3950 | 75.95 | | | Sining, China | |
| 3952 | 75.90 | 15/100 | | BBC London, Gt. Britain | |
| 3958 | 75.78 | 0.5 | | Stanley, Falkland Islands | |
| 3960 | 75.76 | 10/100/250 | | R. Free Europe | |
| | 75.76 | 1 | CR4AC | R. Barlavento, Cape V. Isl. | |
| | 75.76 | 20/240 | | R. Peking, China | |
| | 75.76 | | | Urumchi, China | |
| | 75.76 | 0.1 | | Kendari, Indonesia | |
| | 75.76 | 10 | YDL2 | Padang, Indonesia | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 3960 | 75.76 | 100 | | Baghdad, Iraq | |
| 3970 | 75.57 | 10/100/250 | | R. Free Europe | |
| | 75.57 | 1 | CR6SG | R. Clube Huila, Angola | |
| | 75.57 | 8 | | R. Buca, Cameroon | |
| | 75.57 | | | Huhehot, Inner Mongolia | |
| 3972 | 75.52 | 25 | | Ulan Bator, Mongolia | |
| 3975 | 75.47 | 15/100 | | BBC London, Gt. Britain | |
| | 75.47 | 0.25 | CR6RF | R. Cl. de Benguela, Angola | |
| | 75.47 | 0.6 | HCSN6 | R. Sira, Ecuador | |
| 3980 | 75.38 | 8 | | Munich (VOA), Germany | |
| | 75.38 | 15 | | Baku, USSR | |
| | 75.38 | 20/240 | | R. Peking, China | |
| 3985 | 75.28 | 100 | | Schwarzenburg, Switzerland | |
| | 75.28 | 0.5 | 9UZ22 | R. Cordac, Burundi | |
| | 75.28 | 0.25 | 8FW6 | Merauke, Indonesia | |
| | 75.28 | 0.2 | | Seoul (VUNC), Korea | |
| | 75.28 | 1 | HCER5 | Esc. Radiofónicas Pop, Ec. | |
| 3990 | 75.19 | 20 | | R. Liberty | |
| | 75.19 | 50 | | Monrovia (VOA), Liberia | |
| | 75.19 | 20/240 | | R. Peking, China | |
| | 75.19 | 1 | | AFNT, Taiwan | |
| 3995 | 75.09 | 10/100/250 | | R. Free Europe | |
| | 75.09 | 5/135 | | R. Budapest, Hungary | |
| | 75.09 | 5 | | R. Roma, Italy | |
| | 75.09 | 5 | VQO4 | Solomon Islands | |
| | 75.09 | 0.5 | HCJA5 | La Voz del Rio Tarqui, Ec. | |
| 3999 | 75.02 | 1.5 | | Godthåb, Greenland | |
| 4000 | 75.00 | | | Tengkou, China | |
| 4008 | 74.81 | 15 | | Frunze, USSR | |
| †4010 | 74.80 | | NPG | San Francisco, USA | |
| 4020 | 74.63 | 120/240 | | R. Peking, China | |
| †4025 | 74.50 | 15 | GIC24 | Hailsham, Gt. Britain | |
| 4035 | 74.35 | 20/240 | | R. Peking, China | |
| | 74.35 | | | Llasa, Tibet | |
| 4040 | 74.26 | 50 | | Erevan, USSR | |
| 4055 | 73.98 | 50 | | Petropavlovsk, USSR | |
| 4060 | 73.89 | 20/240 | | R. Peking, China | |
| 4069 | 73.74 | | | Huhehot, Inner Mongolia | |
| 4080 | 73.53 | 50 | | Semipalatinsk, USSR | |
| 4085 | 73.44 | 50 | | Ulan Bator, Mongolia | |
| 4100 | 73.17 | 50 | | Kzyl Orda, USSR | |
| 4110 | 72.99 | | | Urumchi, China | |
| 4130a | 72.64 | 0.75 | HCVC3 | R. Centinela del Sur, Ecuador | |
| 4131 | 72.63 | 120/240 | | R. Peking, China | |
| 4160 | 72.12 | 20/240 | | R. Peking, China | |
| 4200 | 71.43 | 120/240 | | R. Peking, China | |
| 4220 | 71.09 | 20/240 | | R. Peking, China | |
| | 71.09 | | | Urumchi, China | |
| 4250 | 70.59 | 120/240 | | R. Peking, China | |
| †4265 | 70.34 | 5 | DAM | Elmshorn, Germany | |
| †4286 | 70.00 | 10 | VHP2 | Belconnen, Australia | |
| 4310 | 69.61 | | | Chimkent, USSR | |
| 4320 | 69.44 | 1 | YDW | Pontianak, Indonesia | |
| 4355 | 69.89 | | | Nukus, USSR | |
| 4360 | 68.81 | 20/240 | | R. Peking, China | |
| 4380 | 68.49 | | | Fukien, China | |
| 4405 | 68.10 | 50 | | Khabarovsk, USSR | |
| 4430 | 67.72 | 50 | | Novosibirsk, USSR | |
| 4460 | 67.26 | 120/240 | | R. Peking, China | |
| †4478 | 67.00 | | VIX4 | Sydney, Australia | |
| 4485 | 66.89 | 50 | | Petropavlovsk, USSR | |
| 4500 | 66.67 | | | Urumchi, China | |
| | 66.67 | 0.4 | | R. Shiraz, Iran | |
| 4510 | 66.52 | 50 | | Andizhan, USSR | |
| 4520 | 66.37 | 50 | | Khanty Manziysk, USSR | |
| †4525 | 66.30 | 5 | DIZ | Nauen, G.D.R. | |
| | 66.30 | | | Silinhot, China | |
| † | 66.30 | | NPM | Honolulu, Hawaii | |
| 4544 | 66.00 | 50 | | Alma Ata, USSR | |
| 4560 | 65.79 | 15 | | Guryev, USSR | |
| 4570 | 65.65 | 50 | | Petropavlovsk, USSR | |
| 4600 | 65.22 | 5 | 9NB7 | R. Nepal, Nepal | |
| 4610 | 65.08 | 50 | | Vladivostok, USSR. | |
| 4620 | 64.94 | 120/240 | | R. Peking, China | |
| 4635 | 64.72 | 50 | | Dushanbé, USSR | |
| 4640 | 64.66 | 1 | HSK24 | R. Thailand, Thailand | |
| 4665 | 64.30 | 50 | | Baku, USSR | |
| 4680 | 64.10 | 0.5 | OCX4T | R. Cult. La Merced, Peru | |
| 4684 | 64.05 | | | Hanoi, Vietnam (Dem. Rep.) | |
| 4715 | 63.56 | 0.25/ 0.45 | CR4AB | R. Cl. Mindelo, C. Verde Isl. | |
| 4725a | 63.49 | 0.2 | HCEH3 | R. El Progreso, Ecuador | |
| 4735 | 63.35 | 0.2 | HCEH3 | R. El Progreso, Ecuador | |
| 4745 | 63.22 | 3 | TIRICA | La Voz de la Victor, C. Rica | |
| 4750 | 63.16 | 10 | | Lubumbashi, Congo D. Rep. | |
| | 63.16 | 10/100 | VUD | AIR Delhi, India | |
| | 63.16 | 20 | YDO4 | Makassar, Indonesia | |
| | 63.16 | 1 | TIRHB2 | R. Popular, Costa Rica | |
| | 63.16 | 0.25 | HCBK2 | R. El Mundo, Ecuador | |
| 4755 | 63.09 | | | Sibolga, Indonesia | |
| | 63.09 | 0.25 | HRMD | R. Yoro, Honduras Rep. | |
| | 63.09 | 1 | ZYY3 | R. Brasil, Brazil | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 4755 | 63.09 | 0.1 | ZYF23 | R. Dif. Maranhão, Brazil | |
| 4756 | 63.08 | 10 | VRH4 | Suva, Fiji Islands | |
| 4760 | 63.03 | 15 | | Dzambul, USSR | |
| | 63.03 | 5 | CP62 | R. Bolivia, Bolivia | |
| | 63.03 | 0.5 | OAX3W | R. Tingo Maria, Peru | |
| | 63.03 | 1 | YVPP | R. Frontera, Venezuela | |
| 4762 | 63.00 | 5/100 | | R. Clube de Moçambique | |
| | 63.00 | 50 | | Ulan Bator, Mongolia | |
| | 63.00 | 0.25 | OCX4W | R. Inca, Peru | |
| 4765 | 62.95 | 50 | | R. TV Congolaise, Congo | |
| | 62.95 | 1 | ZYN37 | R. Feira de Santana, Brazil | |
| | 62.95 | 1 | HCAK2 | R. Dif. del Ecuador, Ecuador | |
| 4770 | 62.89 | 0.5 | CR6RG | R. Diamang, Angola | |
| | 62.89 | 10 | | R. St. ELWA, Liberia | |
| | 62.89 | 20/240 | | R. Peking, China | |
| | 62.89 | 1 | HRLC | R. Continental, Hond. Rep. | |
| | 62.89 | 0.4 | HCMX4 | R. Cenit, Ecuador | |
| | 62.89 | 1 | HCJF2 | R. Guayaquil, Ecuador | |
| | 62.89 | 0.5 | OAX2G | R. Cajamarca, Peru | |
| | 62.89 | 1 | YVQE | R. Bolivar, Venezuela | |
| | 62.89 | 1 | YVMW | Ondas del Caribe, Venezuela | |
| 4775 | 62.84 | 100 | | R. Afghanistan, Afghanistan | |
| | 62.84 | 10 | | AIR Gauhati, India | |
| | 62.84 | 7.5 | | Djambi, Indonesia | |
| | 62.84 | 0.1 | CP56 | R. Onkoi, Bolivia | |
| | 62.84 | 5 | ZYH29 | R. Dragão do Mar, Brazil | |
| | 62.84 | 5 | ZYR81 | R. Progresso, Brazil | |
| | 62.84 | 1 | HJKW | Los Voz de Maria, Colombia | |
| 4777 | 62.80 | 30 | | R. Gabon, Gabon | |
| 4780 | 62.76 | 4 | | R. Djibouti, Afar & Issa | |
| | 62.76 | 1 | HIAS | Onda Musical, Dom. Rep. | |
| | 62.76 | 1 | HCMQ1 | R. Atahualpa, Ecuador | |
| | 62.76 | 1 | YVLA | La Voz de Carabobo, Ven. | |
| 4783 | 62.72 | 18 | | R. Mali, Mali | |
| 4784a | 62.71 | 1 | TIRHB2 | R. Popular, Costa Rica | |
| 4785 | 62.70 | 10 | | R. Tanzania, Tanzania | |
| | 62.70 | 10 | VRH5 | Suva, Fiji Islands | |
| | 62.70 | 1 | CP74 | R. Indoamérica, Bolivia | |
| | 62.70 | 1 | ZYY20 | R. Cult. Caiari, Brazil | |
| | 62.70 | 0.5 | ZYM8 | R. Ribamar, Brazil | |
| | 62.70 | 1 | HJLW | Ecos Combéima, Colombia | |
| | 62.70 | 0.2 | HCLJ6 | La Voz de Bolivar, Ecuador | |
| | 62.70 | 1 | OAX3V | R. Horizonte, Peru | |
| 4790 | 62.63 | 10 | | R. Malaysia, Malaysia | |
| | 62.63 | 1 | HRFS | R. Primero de Mayo, Hon. | |
| | 62.63 | 1 | HCAU2 | R. Sistema Atalaya, Ecuador | |
| | 62.63 | 0.4 | OAX5X | R. Nazca, Peru | |
| | 62.63 | 5 | YVQN | Ondas Porteñas, Venezuela | |
| 4791a | 62.62 | 1 | HIAS | Onda Musical, Dom. Rep. | |
| 4795 | 62.57 | 10 | | R. Com. de Angola, Angola | |
| | 62.57 | 4 | | R. Brazzaville, Congo | |
| | 62.57 | 10 | | R. Tanzania, Zanzibar | |
| | 62.57 | 50 | XZK2 | Rangoon, Burma | |
| | 62.57 | 1 | CP73 | R. Nueva América, Bolivia | |
| | 62.57 | 1 | ZYF37 | R. Congonhas, Brazil | |
| | 62.57 | 0.5 | ZYP27 | R. Copacabana, Brazil | |
| | 62.57 | 2 | PRI4 | R. Tabajará, Brazil | |
| | 62.57 | 1 | HJFU | La Voz del Comercio, Col. | |
| | 62.57 | 2 | HCAS4 | La Voz de los Caras, Ecuad. | |
| 4800 | 62.50 | 10 | | AIR Hydarabad, India | |
| | 62.50 | 0.25 | HCSV5 | R. Amazonas, Ecuador | |
| | 62.50 | 0.5 | OBX7C | R. Onda Azul, Peru | |
| | 62.50 | 10 | YVMO | R. Lara, Venezuela | |
| 4804 | 62.45 | 5 | | Kisumu, Kenya | |
| 4805 | 62.43 | 50 | YDB2 | Djakarta, Indonesia | |
| | 62.43 | 0.5 | 8FW40 | Fak Fak, Indonesia | |
| | 62.43 | 5 | ZYS8 | R. Dif. do Amazonas, Brazil | |
| | 62.43 | 0.5 | HJAU | Universidad Antioquia, Col. | |
| 4807 | 62.41 | 4 | | St. Denis, Réunion | |
| | 62.41 | 10 | | R. Clube de São Tomé | |
| 4810 | 62.37 | 50 | | Banmethout, Vietnam | |
| | 62.37 | 0.3 | HCFA4 | La Voz del Manabi, Ecuador | |
| | 62.37 | 0.2 | HCLS3 | R. Coro de Sta. Cecilia, Ec. | |
| | 62.37 | 1 | OAX2U | R. San Ignacio, Peru | |
| | 62.37 | 1 | YVMG | R. Popular, Venezuela | |
| 4815 | 62.31 | 25 | | Ouagadougou, Upper Volta | |
| | 62.31 | 1 | CP84 | R. Los Andes, Bolivia | |
| | 62.31 | 1 | ZYH27 | R. Icarema Fortaleza, Brazil | |
| | 62.31 | 1 | ZYP33 | Petropolis R. Dif, Brazil | |
| | 62.31 | 1 | OAX8X | R. Amazonas, Peru | |
| | 62.31 | 1 | OAX3U | La Voz de Huamanga, Peru | |
| 4820 | 62.24 | 10 | CR6RZ | R. Angola, Angola | |
| | 62.24 | 3.1 | | R. Gambia, Gambia | |
| | 62.24 | 0.25/10 | VUC | AIR Calcutta, India | |
| | 62.24 | 5 | HRVC | R. Evangélica, Hond. Rep. | |
| | 62.24 | 0.2 | XEJG | Guadalajara, Mexico | |
| | 62.24 | 2 | HCVA4 | La Estación de la Alegria, Ec. | |
| | 62.24 | 0.45 | OAX7K | R. Puno, Peru | |
| | 62.24 | 1 | YVRC | La Voz de Apure, Venezuela | |
| 4823a | 62.21 | 1 | CP70 | R. Grigota, Bolivia | |
| 4825 | 62.18 | 15 | | Ashkabad, USSR | |
| | 62.18 | 1 | CP70 | R. Grigota, Bolivia | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 4825 | 62.18 | 0.5 | ZYE7 | Educ. de Parnaiba, Brazil | |
| | 62.18 | 0.5 | ZYV56 | R. Cl. de Varginha, Brazil | |
| | 62.18 | 1 | HJHC | R. Nariño, Colombia | |
| | 62.18 | 1 | OAX8R | R. San José, Peru | |
| 4830 | 62.11 | 5 | HSKB | R. Thailand, Thailand | |
| | a62.11 | 1 | CP70 | R. Grigota, Bolivia | |
| | 62.11 | 0.5 | HCJS1 | Ondas del Angel, Ecuador | |
| | 62.11 | 1 | YVOA | La Voz del Táchira, Ven. | |
| 4835 | 62.05 | 60 | | Erevan, USSR | |
| | 62.05 | 18 | | R. Mali, Mali | |
| | 62.05 | 20/10 | | R. Malaysia, Sarawak | |
| | 62.05 | 1 | ZYA1 | R. Dif. Roraima, Brazil | |
| | 62.05 | 0.5 | ZYV37 | R. Triangulo Mineiro, Brazil | |
| | 62.05 | 1 | HJAM | R. Buenaventura, Colombia | |
| | 62.05 | 1 | HCAM4 | La Voz del Valle, Ecuador | |
| | 62.05 | 0.35 | OAX7T | R. Sicuani, Peru | |
| | 62.05 | 0.5 | OAZ4J | R. Sudamericana, Peru | |
| 4836 | 62.03 | 0.4 | | Gaberones, Botswana | |
| 4837a | 62.01 | 1 | YVOA | La Voz del Táchira, Ven. | |
| 4840 | 61.98 | 2 | CR6RY | Novo Redondo, Angola | |
| | 61.98 | 10/100 | VUB | AIR Bombay, India | |
| | 61.98 | 1 | OBX5E | R. Andahuaylas, Peru | |
| | 61.98 | 1 | OAX8F | R. Atántida, Peru | |
| | 61.98 | 1 | YVOI | R. Valéra, Venezuela | |
| 4843 | 61.95 | 25 | | R. TV Congolaise, Congo | |
| 4845 | 61.92 | 10 | | Francistown, Botswana | |
| | 61.92 | 10 | | R. Malaysia, Malaysia | |
| | 61.92 | 0.5 | HRVJ | R. Católica S. Isidro, Hon. | |
| | 61.92 | 1 | ZYU8 | D. Dif. Teresina, Brazil | |
| | 61.92 | 1 | HJGF | R. Bucaramanga, Colombia | |
| | 61.92 | 0.38 | HCRM3 | R. Cultural Machala, Ec. | |
| | 61.92 | 1 | OAX1X | La Voz del Chira, Peru | |
| 4849 | 61.87 | 2.5 | PZX2 | R. Suriname, Surinam | |
| 4850 | 61.86 | 50 | | Tashkent, USSR | |
| | 61.86 | 1 | CR6RU | Carmona, Angola | |
| | 61.86 | 30 | | R. Mauritania, Mauritania | |
| | 61.86 | 10 | | Forest Side, Mauritius | |
| | 61.86 | 2 | | AIR Kohima, India | |
| | 61.86 | 0.25 | HCCV3 | Ondas del Zamora, Ecuador | |
| | 61.86 | 10 | YVKF | Ondas Popular, Venezuela | |
| 4855 | 61.79 | 5 | | Nairobi, Kenya | |
| | 61.79 | 5/100 | | R. Clube de Moçambique | |
| | 61.79 | 10 | | Enugu, Nigeria | |
| | 61.79 | 10 | YDK | Palembang, Indonesia | |
| | 61.79 | 1 | HRVA | R. Corona, Honduras Rep. | |
| | 61.79 | 1 | CP66 | R. Centenario, Bolivia | |
| | 61.79 | 1 | CP59 | R. Cobija, Bolivia | |
| | 61.79 | 1 | ZYR61 | R. Dif. de Taubaté, Brazil | |
| | 61.79 | 1 | HJGT | R. Neiva, Colombia | |
| | 61.79 | 0.35 | HCMA1 | R. Marañon, Ecuador | |
| | 61.79 | 0.5 | OAX8I | R. La Hora, Peru | |
| 4860 | 61.73 | 50 | | Moscow, USSR | |
| | 61.73 | 1 | CR6RN | R. Clube de Angola, Angola | |
| | 61.73 | 20/240 | | R. Peking, China | |
| | 61.73 | 0.5 | OCX4B | R. Callao, Peru | |
| | 61.73 | 1 | YVQE | R. Mundo, Venezuela | |
| 4865 | 61.66 | 1 | CSA67 | Ponta Delgada, Azores | |
| | 61.66 | 5/100 | | R. Clube de Moçambique | |
| | 61.66 | 10 | | Brunei Bc. Sce, Brunei | |
| | 61.66 | 2.5 | PRC5 | R. Club de Pará, Brazil | |
| | 61.66 | 1 | HCCD1 | R. Punto 83, Ecuador | |
| 4870 | 61.60 | 30 | | R. Dahomey, Dahomey | |
| | 61.60 | 10 | | Colombo, Ceylon | |
| | 61.60 | 5 | HCGM7 | R. Rio Amazonas, Ecuador | |
| | 61.60 | 5 | YVKP | R. Tropical, Venezuela | |
| 4872 | 61.58 | 10 | 8FW20 | Sorong, Indonesia | |
| | 61.58 | 2 | TGQH | R. Sta. Cruz, Guatemala | |
| 4875 | 61.54 | 10/0.25 | | Porto Amélia, Moçambique | |
| | 61.54 | 20 | | Paradys, So. Africa | |
| | 61.54 | 5/1 | ZYZ30 | R. Jornal do Brasil, Brazil | |
| | 61.54 | | HJED | La Voz del Rio Cauca, Col. | |
| | 61.54 | 1 | HJDE | R. Villavicencio, Colombia | |
| | 61.54 | 3 | HCVE4 | La Voz Esmeraldas, Ecuador | |
| 4877 | 61.52 | 80/20 | | Saigon, Vietnam | |
| 4880 | 61.48 | 10 | | Kinshasa, Congo Dem. Rep. | |
| | 61.48 | 1 | HIJP | R. Comercial, Dom. Rep. | |
| | 61.48 | 0.5 | HRQN | La Voz de Atlantico, Hon. | |
| | 61.48 | 1 | HCWE1 | R. Nac. Espejo, Ecuador | |
| | 61.48 | 1 | OCX4E | R. Once Sesenta, Peru | |
| | 61.48 | 10 | YVNK | R. Universo, Venezuela | |
| 4885 | 61.45 | 50 | | Vladivostok, USSR | |
| | 61.45 | 10 | | Nairobi, Kenya | |
| | 61.45 | 1 | APL2 | Lahore, Pakistan | |
| | 61.45 | 0.5 | CP105 | R. Ibare, Bolivia | |
| | 61.45 | 1 | CP77 | R. Sararenda, Bolivia | |
| | 61.45 | 1 | ZYD6 | R. Acreana, Brazil | |
| | 61.45 | 1 | ZYV50 | R. Cultura de Poços, Brazil | |
| | 61.45 | 1 | ZYG26 | R. Pioneira de Teresina, Br. | |
| | 61.45 | 1 | HJIC | Ondas del Meta, Colombia | |
| | 61.45 | 1 | OAX5V | R. Villarica, Peru | |
| 4888 | 61.39 | 10 | | Bukavu, Congo Dem. Rep. | |
| 4890 | 61.35 | 25 | | Dakar, Sénégal | |
| 4890 | 61.35 | 1 | | Samarinda, Indonesia | |
| | 61.35 | 10 | | Surakarta, Indonesia | |
| | 61.35 | 7.5/100 | APD2 | Dacca, Pakistan | |
| | 61.35 | 10 | VLT/K4 | Port Moresby, Australia | |
| | 61.35 | 1 | HRVL | R. Lux, Honduras Rep. | |
| | 61.35 | 5 | YVKB | R. Dif. Venezuela, Venezuela | |
| 4892 | 61.32 | 4 | | Cayenne, French Guiana | |
| 4895 | 61.29 | 10/0.25 | | Quelimane, Moçambique | |
| | 61.29 | 7.5 | | AIR Kurseong, India | |
| | 61.29 | 50 | | R. Malaysia, Malaysia | |
| | 61.29 | 4 | | R. Martinique, Martinique | |
| | 61.29 | 5 | PRF6 | R. Baré, Brazil | |
| | 61.29 | 1 | ZYN23 | R. Cultura da Bahia, Brazil | |
| | 61.29 | 1 | HJCH | La Voz de la Victor, Col. | |
| | 61.29 | 0.4 | OAZ4T | R. Chanchamaya, Peru | |
| 4896 | 61.27 | 1 | CR6RO | Silva Porto, Angola | |
| 4900 | 61.22 | 1 | YDS6 | Gorontalo, Indonesia | |
| | 61.22 | 0.5 | HROM | La Voz del Ulúa, Hon. Rep. | |
| | 61.22 | 10 | YVNK | R. Juventud, Venezuela | |
| 4902 | 61.20 | 10 | | Colombo, Ceylon | |
| 4904 | 61.18 | 30 | | Fort Lamy, Chad | |
| | 61.18 | 0.42 | HCVS6 | La Voz de Sasquisili, Ecuador | |
| 4905 | 61.16 | 20/240 | | R. Peking, China | |
| | 61.16 | 1 | YDA3 | Bandung, Indonesia | |
| | 61.16 | 5 | ZYZ20 | R. Relogio Federal, Brazil | |
| | 61.16 | 1 | HJAG | Emis. Atlántico, Colombia | |
| 4907 | 61.14 | 15 | | R. Cambodia, Cambodia | |
| 4908 | 61.12 | 1 | CE490 | R. Trasandina, Chile | |
| 4910 | 61.10 | 1 | CR6RS | R. Clube do Lobito, Angola | |
| | 61.10 | 1 | YDM2 | Bukittinggi, Indonesia | |
| | 61.10 | 1 | HIN | R. HIN, Dominican Republic | |
| | 61.10 | 5 | HCMJ1 | Emis. Gran Colombia, Ec. | |
| | 61.10 | 0.5 | OAX2K | R. Libertad, Peru | |
| | 61.10 | 1 | OBX7V | R. Tahuantisuyo, Peru | |
| | 61.10 | 10 | YVPN | Esc. Radiofónicas, Venez. | |
| 4911 | 61.08 | 20 | | Lusaka, Zambia | |
| 4912 | 61.07 | 2 | VTW2 | Tarawa, Gilbert Islands | |
| 4914 | 61.05 | 0.25 | HRSY | La Voz del Pacífico, Hon. | |
| 4915 | 61.03 | 10/20 | | Accra, Ghana | |
| | 61.03 | 10 | APQ2 | Quetta, Pakistan | |
| | 61.03 | 1 | CP88 | R. Amboro, Bolivia | |
| | 61.03 | 1 | ZYR60 | R. Cult. de Araraquara, Br. | |
| | 61.03 | 2 | ZYE2 | R. Dif. de Macapá, Brazil | |
| | 61.03 | 0.5 | OAX2H | R. La Hora, Peru | |
| 4916 | 61.03 | 0.3 | HCAH3 | R. El Trebol, Ecuador | |
| 4917a | 61.01 | 1 | ZYL20 | Emis. Rio São Francisco, Br. | |
| 4920 | 60.98 | 2.5 | 9UZ24 | R. Cordac, Burundi | |
| | 60.98 | 18 | | Conakry, Guinea | |
| | 60.98 | 10 | VUM | AIR Madras, India | |
| | 60.98 | 10 | VLM4 | Brisbane, Australia | |
| | 60.98 | 0.15 | TGRY | V. San Raymundo, Guat. | |
| | 60.98 | 1 | HRPL | R. Progreso, Honduras Rep. | |
| | 60.98 | 0.2 | HCMP2 | La Voz de la Peninsular, Ec. | |
| | 60.98 | 1 | OBX7H | R. Ondas del Titicaca, Peru | |
| | 60.98 | 7.5 | YVKR | R. Caracas, Venezuela | |
| 4923 | 60.94 | 5 | HCRQ1 | R. Quito, Ecuador | |
| 4925 | 60.90 | 5/100 | | R. Clube de Moçambique | |
| | 60.90 | 1 | ZYL20 | Emis. Rio São Francisco, Br. | |
| | 60.90 | 1 | ZYA6 | R. Icarema, Brazil | |
| | 60.90 | 1 | ZYV32 | R. Industrial, Brazil | |
| 4926 | 60.90 | 5 | EAJ206 | R. Ecuatorial, Sp. Guinea | |
| 4930 | 60.85 | 50 | | Batumi, USSR | |
| | 60.85 | 1 | HRVS | R. Católica, Honduras Rep. | |
| | 60.85 | 10 | HCCR1 | Casa de la Cultura, Ecuador | |
| | 60.85 | 1 | YVOT | R. Junin, Venezuela | |
| 4931 | 60.84 | 1 | | Tdj. Pinang, Indonesia | |
| 4932 | 60.83 | 10 | | Benin City, Nigeria | |
| 4934 | 60.80 | 10 | | Nairobi, Kenja | |
| | 60.80 | 0.25 | OAX5Q | R. Concejo Provincial, Peru | |
| 4935 | 60.80 | 1 | CR6RE | R. Clube de Malanje, Angola | |
| | 60.80 | 1 | CP110 | R. Nortes, Bolivia | |
| | 60.80 | 1 | ZYI21 | R. Poti, Brazil | |
| | 60.80 | 1 | OAX9E | R. Tropical, Peru | |
| 4940 | 60.73 | 50 | | Kiev, USSR | |
| | 60.73 | 10 | | R. Abidjan, Ivory Coast | |
| | 60.73 | 10 | | AIR Gauhati, India | |
| | 60.73 | 1 | HIBE | R. Mil, Dom. Rep. | |
| | 60.73 | 0.5 | 4VM | R. Diff. Haitienne, Haiti | |
| | 60.73 | 10 | HCXZ1 | R. Dif. Nacional, Ecuador | |
| | 60.73 | 0.5 | OAX6N | R. Misti, Peru | |
| | 60.73 | 0.5 | OAZ4R | R. San Juan, Peru | |
| | 60.73 | 10 | YVPA | R. Yaracuy, Venezuela | |
| 4944 | 60.71 | 60 | | Erevan, USSR | |
| 4945 | 60.67 | 20 | | Paradys, So. Africa | |
| | 60.67 | 20 | | Omdurman, Sudan | |
| | 60.67 | 0.5 | DZB6 | Nat. Teachers Coll, Philipp. | |
| | 60.67 | 1 | ZYO25 | R. Capixaba, Brazil | |
| | 60.67 | 0.25 | ZYF22 | R. Dif. Mearim, Brazil | |
| | 60.67 | 1 | ZYE23 | R. Educ. Bragança, Brazil | |
| | 60.67 | 1 | HJDH | R. Colosál, Colombia | |
| 4946 | 60.65 | 10/0.25 | | Nampula, Moçambique | |
| 4950 | 60.60 | 5 | | Nairobi, Kenya | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 4950 | 60.60 | | | R. Kashmir, India | |
| | 60.60 | 20/10 | | R. Malaysia, Sarawak | |
| | 60.60 | 1 | HRRZ | R. Juticalpa, Honduras Rep. | |
| | 60.60 | 0.25 | HCAV3 | R. Ondas Lojas, Ecaudor | |
| | 60.60 | 0.5 | OAX7I | R. Madre de Dios, Peru | |
| | 60.60 | 1 | YVMM | R. Coro, Venezuela | |
| †4955 | 60.54 | | NPN | Guam | |
| | 60.54 | 0.25 | | R. Caiari, Brazil | |
| | 60.54 | 2 | PRF7 | R. Cult. de Campos, Brazil | |
| | 60.54 | 50 | HJCQ | R. Nacional, Colombia | |
| | 60.54 | 1 | OAX5S | R. Amauta, Peru | |
| 4957 | 60.52 | 50 | | Anadyr, USSR | |
| 4958 | 60.51 | 50 | | Baku, USSR | |
| | 60.51 | 10/0.25 | | Nampula, Moçambique | |
| 4960 | 60.48 | 120/240 | | R. Peking, China | |
| | 60.48 | 1 | HICN | R. Antilles, Dominican Rep. | |
| | 60.48 | 1 | HCPM5 | La Voz del Chofer, Ecuador | |
| | 60.48 | 0.5 | OAX1S | R. Lambayeque, Peru | |
| | 60.48 | 1 | YVQA | R. Sucre, Venezuela | |
| 4962a | 60.46 | 1 | HICN | R. Antillas, Dom. Rep. | |
| 4965 | 60.42 | 50 | | Sukhumi, USSR | |
| | 60.42 | 20 | | Paradys, So. Africa | |
| | 60.42 | 20 | | Lusaka, Zambia | |
| | 60.42 | 10 | | R. Brunei, Brunei | |
| | 60.42 | 1 | CP90 | R. Juan XXIII, Bolivia | |
| | 60.42 | 2.5 | HJAF | R. Santa Fé, Colombia | |
| 4967 | 60.40 | 1/10/50 | | R. Kuwait, Kuwait | |
| 4968 | 60.38 | 10 | | Colombo, Ceylon | |
| 4970 | 60.36 | 5 | 9WD215 | Jesselton, Sabah | |
| | 60.36 | 3 | HCGH1 | R. Tarqui, Ecuador | |
| | 60.36 | 1 | OBX1Q | R. San Juan, Peru | |
| | 60.36 | 10 | YVLK | R. Rumbos, Venezuela | |
| 4972 | 60.33 | 30/4 | | R. Yaoundé, Cameroon | |
| 4975 | 60.30 | 50 | | Blagovechensk, USSR | |
| | 60.30 | 50 | | Dushanbé, USSR | |
| | 60.30 | | | Foochow, China | |
| | 60.30 | 1 | ZYP27 | R. Copacabana, Brazil | |
| | 60.30 | 5/2.5 | ZYY9 | R. Timbira, Brazil | |
| | 60.30 | 1 | HJJG | R. Internacionál, Colombia | |
| 4976 | 60.29 | 3/8 | | Kampala, Uganda | |
| 4980 | 60.25 | 10/20 | | Accra, Ghana | |
| | 60.25 | | | Wuhan, China | |
| | 60.25 | 10/50 | | Karachi, Pakistan | |
| | 60.25 | 10 | APP2 | Peshawar, Pakistan | |
| | 60.25 | 0.3 | HCJC5 | Ondas Azuayas, Ecuador | |
| | 60.25 | 0.3 | OBX7W | R. Maldonado, Peru | |
| | 60.25 | 1 | YVOC | Ecos del Torbes, Venezuela | |
| 4985 | 60.18 | 1 | CR6RB | R. Ecclesia, Angola | |
| | 60.18 | 4/30 | | R. Tananarive, Malagasy Rp. | |
| | 60.18 | 10 | | Kotaradja, Indonesia | |
| | 60.18 | 10 | | R. Malaysia, Malaysia | |
| | 60.18 | 10 | CP75 | La Cruz del Sur, Bolivia | |
| | 60.18 | 1.5 | ZYZ15 | Voz de Oeste, Brazil | |
| 4990 | 60.12 | 10 | | Lagos, Nigeria | |
| | 60.12 | | | Changsha, China | |
| | 60.12 | 10 | | AIR Bhopal, India | |
| | 60.12 | 1 | HCSJ1 | R. Xavier, Ecuador | |
| | 60.12 | 1 | OBX1O | R. Chulucanas, Peru | |
| | 60.12 | 1 | OBX7R | R. Triunfo, Peru | |
| | 60.12 | 10 | YVMQ | R. Barquisimeto, Venezuela | |
| 4995 | 60.06 | 5 | ZYX9 | R. Brasil Central, Brazil | |
| | 60.06 | 1 | OAZ4C | R. Andina, Peru | |
| 4996 | 60.05 | 50 | | Magadan, USSR | |
| *5000 | 60.00 | 0.5 | MSF | Teddington, Gt. Britain | |
| * | 60.00 | 1 | IAM | Rome, Italy | |
| * | 60.00 | 5 | IBF | Turin, Italy | |
| * | 60.00 | 20 | RWN | Moscow, USSR | |
| † | 60.00 | 4 | ZUO | Olifantsfontein, So. Africa | |
| * | 60.00 | | BPV | Peking, China | |
| * | 60.00 | 2 | JJY | Tokyo, Japan | |
| * | 60.00 | 2 | WWVH | Puunene, Hawaii | |
| * | 60.00 | 10 | WWH | Lanham, USA | |
| † | 60.00 | 2 | LOL | Buenos Aires, Argentina | |
| 5005 | 59.94 | 1 | OAX2S | R. Jaén, Peru | |
| 5010 | 59.88 | 4/30 | | R. Garoua, Cameroon | |
| | 59.88 | 30 | | R. Tananarive, Malagasy Rp. | |
| | 59.88 | 10/0.25 | | Quelimane, Moçambique | |
| | 59.88 | | | Nanning, China | |
| | 59.88 | 10 | | FBS, Singapore | |
| | 59.88 | 0.8 | HIMS | R. Cristal, Dominican. Rep. | |
| | 59.88 | 0.4 | OAX8V | R. Eco, Peru | |
| | 59.88 | 1 | YVRW | R. Boconó, Venezuela | |
| 5012 | 59.86 | 50 | | Sukhumi, USSR | |
| 5015 | 59.82 | 15 | | Arkhangelsk, USSR | |
| | 59.82 | 50 | | Vladivostok, USSR | |
| | 59.82 | 1 | CR6RM | Moçamedes, Angola | |
| | 59.82 | 5 | | Grenada, Windward Islands | |
| | 59.82 | 1 | CP48 | R. Universo, Bolivia | |
| | 59.82 | 0.35 | OAX7Z | R. Juliaca, Peru | |
| 5017a | 59.80 | 5 | | Emis. da Guiné, Port. Guinea | |
| 5020 | 59.76 | 30 | | R. Niger, Niger | |
| | 59.76 | 10 | | Colombo, Ceylon | |
| 5020 | 59.76 | 0.5 | 4VGS | R. Indépendence, Haiti | |
| | 59.76 | 1 | HJFW | Trans. Caldas, Columbia | |
| | 59.76 | 10 | YVKO | R. Nacional, Venezuela | |
| 5024 | 59.71 | 1 | CR6RH | R. Clube Huila, Angola | |
| 5025 | 59.70 | 1 | CP106 | R. Litoral, Bolivia | |
| | 59.70 | 1 | ZYX30 | R. Dif. Aquidauana, Brazil | |
| | 59.70 | 0.5 | ZYK41 | Emissora Rural, Brazil | |
| | 59.70 | 1 | | Voz Amazonia, Brazil | |
| | 59.70 | 0.2 | HCOB5 | R. Splendit, Ecuador | |
| | 59.70 | 0.3 | OAX7Q | R. Quillabamba, Peru | |
| 5026 | 59.70 | 3/8 | | Kampala, Uganda | |
| 5030 | 59.64 | 120/240 | | R. Peking, China | |
| | 59.64 | 20 | YDP | Medan, Indonesia | |
| | 59.64 | 50 | | R. Malaysia, Malaysia | |
| | 59.64 | 1 | HIBB | La Voz del Papagayo, Dominican Republic | |
| | 59.64 | 0.5 | HCPS5 | Ondas Cañaris, Ecuador | |
| | 59.64 | 10 | YVKM | R. Continente, Venezuela | |
| 5033 | 59.61 | 1 | CR6RW | R. Cl. de Cabinda, Angola | |
| 5035 | 59.58 | 30 | | Bangui, Central African Rep. | |
| | 59.58 | 1 | HROE | La Voz de las Fronteras, Honduras | |
| | 59.58 | 1 | ZYW22 | R. Anhanguera, Brazil | |
| | 59.58 | 0.5 | ZYO24 | R. Espirito Santo, Brazil | |
| | 59.58 | 1 | HJIC | La Voz del Caquetá, Col. | |
| | 59.58 | 0.75 | HCVC3 | R. Centinela del Sur, Ec. | |
| | 59.58 | 0.5 | OBX7F | R. Ayaviri, Peru | |
| | 59.58 | 1 | OAX6U | R. Ilo, Peru | |
| 5037 | 59.58 | 20/10 | | R. Malaysia, Sarawak | |
| 5040 | 59.52 | 50 | | Tbilisi, USSR | |
| | 59.52 | 50 | XZK42 | Rangoon, Burma | |
| | 59.52 | | ZNX20 | Bridgetown, Barbados | |
| | 59.52 | 0.15 | 4VGA | R. Capois da Mort, Haiti | |
| | 59.52 | 10 | OCY4E | R. Los Andes, Peru | |
| | 59.52 | 1 | YVQH | R. Maturin, Venezuela | |
| 5041 | 59.51 | 10 | | Emis. da Guiné, Port. Guinea | |
| 5042 | 59.50 | 1 | CR6RF | R. Clube de Benguela, Angola | |
| 5045 | 59.46 | 0.25 | ZK5 | Rarotonga, Cook Islands | |
| | 59.46 | 1 | ZYP23 | R. Imperial, Brazil | |
| | 59.46 | 1 | OBX7O | R. Onda Imperial, Peru | |
| | 59.46 | 5 | CP38 | La Voz del Altiplano, Bolivia | |
| 5047 | 59.43 | 4/100 | | Lomé, Togo | |
| | 59.43 | 20 | YDJ | Jogjakarta, Indonesia | |
| 5050 | 59.41 | 50 | | Petropavlovsk, USSR | |
| | 59.41 | 20 | | R. Tanzania, Tanzania | |
| | 59.41 | 1 | HJDW | La Voz de Medellin, Col. | |
| | 59.41 | 1.2 | HCJP1 | R. Jesus del Gran Poder, Ec. | |
| | 59.41 | 1 | OAX1J | R. Tumbes, Peru | |
| | 59.41 | 2 | YVKD | R. Cultura, Venezuela | |
| 5052 | 59.38 | 50 | | Ulan Bator, Mongolia | |
| | 59.38 | 10 | | R. Singapura, Singapore | |
| 5055 | 59.35 | 50 | | Chita, USSR | |
| | 59.35 | 5 | CP89 | R. San Rafael, Bolivia | |
| | 59.35 | 2 | ZYX30 | R. Cult. Guiabá, Brazil | |
| | 59.35 | 1 | ZYO23 | R. Vitória, Brazil | |
| | 59.35 | 0.5 | HCRP1 | R. Católica, Ecuador | |
| | 59.35 | 1 | OBX7O | R. Onda Imperial Peru | |
| 5056 | 59.33 | 10 | | R. Addis Ababa, Ethiopia | |
| 5058 | 59.31 | 1 | OAZ4A | R. Tarma, Peru | |
| | | | | **5060-5950kHz** | |
| 5060 | 59.29 | 1 | CR6RD | Nova Lisboa, Angola | |
| | 59.29 | 7.5 | | So. Arabian Bc. See, Aden | |
| 5065 | 59.23 | 10 | | Petrozavodsk, USSR | |
| 5070 | 59.17 | 0.3 | TGMS | R. Nac. Mazatenango, Guat. | |
| 5075 | 59.12 | 120/240 | | R. Peking, China | |
| | 59.12 | 25 | HJGC | Acción Cult. Popular, Col. | |
| 5076 | 59.10 | 10 | | Colombo, Ceylon | |
| 5090 | 59.00 | 50 | | Palana, USSR | |
| | 59.00 | 0.25 | 4VAF | R. Grand Anse, Haiti | |
| 5095 | 58.88 | 50 | HJGG | Acción Cult. Popular, Col. | |
| 5110 | 58.71 | 50 | | Khabarovsk, USSR | |
| 5125 | 58.54 | 120/240 | | R. Peking, China | |
| 5145 | 58.31 | 20/240 | | R. Peking, China | |
| 5160 | 58.14 | 20/240 | | R. Peking, China | |
| 5170 | 58.03 | | | Fukien, China | |
| 5180a | 57.92 | 1 | OAX8F | R. Atlántida, Peru | |
| 5192 | 57.78 | 1 | CR6RV | R. Clube de Moxico, Angola | |
| 5215 | 57.53 | 20/240 | | R. Peking, China | |
| 5220 | 57.47 | 20/240 | | R. Peking, China | |
| 5240 | 57.25 | 20/240 | | R. Peking, China | |
| | 57.25 | | | Fukien, China | |
| 5250 | 57.14 | 120/240 | | R. Peking, China | |
| 5260 | 57.03 | 15 | | Alma Ata, USSR | |
| 5271 | 56.92 | 0.3 | | Kendari, Indonesia | |
| 5295 | 56.66 | 20/240 | | R. Peking, China | |
| 5320 | 56.39 | 20/240 | | R. Peking, China | |
| 5355 | 56.02 | | | Urumchi, China | |
| 5360 | 55.97 | 20/240 | | R. Peking, China | |
| 5400a | 55.56 | 0.5 | OAX3E | R. Huaraz, Peru | |
| †5425 | 55.30 | 1 | VNG | Lyndhurst, Australia | |
| †5448 | 55.05 | | NBA | Canal Zone, Panama | |
| 5450 | 55.05 | 20/240 | | R. Peking, China | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 5455 | 55.00 | 50 | | Moscow, USSR | |
| 5500 | 54.55 | 20/240 | | R. Peking, China | |
| 5535 | 54.20 | 20/240 | | R. Peking, China | |
| 5545 | 54.10 | 20/240 | | R. Peking, China | |
| 5650 | 53.10 | 20/240 | | R. Peking, China | |
| 5714 | a52.51 | 0.5 | OBX7F | R. Ayaviri, Peru | |
| 5738 | 52.28 | 1 | | Palu, Indonesia | |
| 5740 | 52.26 | 60 | | Erevan, USSR | |
| 5800 | 51.72 | | | Urumchi, China | |
| 5804 | 51.66 | 25 | | R. Sanaa, Yemen | |
| †5807 | 51.65 | 15 | GAY25 | Rugby, Gt. Britain | |
| 5825 | 51.50 | 50 | | Syktyvar, USSR | |
| 5850 | 51.28 | 20/240 | | R. Peking, China | |
| 5860 | 51.19 | 20/240 | | R. Peking, China | |
| 5870 | 51.11 | 20/240 | | R. Peking, China | |
| | 51.11 | | | Fukien, China | |
| † | 51.11 | | NSS | Annapolis, USA | |
| 5875 | 51.06 | 1 | HRN | La Voz de Honduras, Hon. | |
| 5900 | 50.84 | 50 | | Moscow, USSR | |
| | 50.84 | | | Fukien, China | |
| | 50.84 | | HCDF1 | La Voz del Norte, Ecuador | |
| 5902 | 50.83 | 5/135 | | R. Budapest, Hungary | |
| 5908 | 50.78 | 7.5 | 4VB | Voix de la Rev. Duv, Haiti | |
| 5915 | 50.72 | 100 | | Sverdlovsk, USSR | |
| | 50.72 | 20/240 | | R. Peking, China | |
| 5920 | 50.68 | 50 | | R. Sofia, Bulgaria | |
| | 50.68 | 50 | | Moscow, USSR | |
| | 50.68 | 50 | | Tashkent, USSR | |
| 5925 | 50.63 | 50 | | Tashkent, USSR | |
| 5930 | 50.59 | 100 | | Praha, Czechoslovakia | |
| | 50.59 | 15 | | Arkhangelsk, USSR | |
| 5933 | 50.57 | | | Chengtu, China | |
| 5935 | 50.55 | 20/240 | | R. Peking, China | |
| | 50.55 | | | Lhasa, Tibet | |
| 5940 | 50.51 | 50 | | Magadan, USSR | |
| | 50.51 | 120 | | Minsk, USSR | |
| | | **5950-6200kHz** | | **(49 metre band)** | |
| 5950 | 50.42 | 120 | | R. Tirana, Albania | |
| | 50.42 | 50 | | Moscow, USSR | |
| | 50.42 | 20/240 | | R. Peking, China | |
| | 50.42 | 7.5 | 4VB | Voix de la Rev. Duv, Haiti | |
| | a50.42 | 0.5 | YNRG | R. Zelaya, Nicaragua | |
| | 50.42 | 0.3 | HCCV5 | La Voz de Quatro Rios, Ec. | |
| 5954 | 50.39 | 1 | TIQ | R. Casino, Costa Rica | |
| 5955 | 50.39 | 100 | | Allouis, France | |
| | 50.39 | 50 | | R. Liberty | |
| | 50.39 | 0.4 | | Larissa, Greece | |
| | 50.39 | 50/60/100 | | R. Roma, Italy | |
| | 50.39 | 100 | | Sverdlovsk, USSR | |
| | 50.39 | 10 | 8FK24 | Pakanbaru, Indonesia | |
| | 50.39 | 0.4 | VRH6 | Suva, Fiji Islands | |
| | 50.39 | 5 | TGNA | R. Cultural, Guatemala | |
| | 50.39 | 1 | HRVF | R. Exitos, Honduras Rep. | |
| | 50.39 | 0.5 | YNRG | R. Zelaya, Nicaragua | |
| | 50.39 | 1 | CP60 | R. Pio XII, Bolivia | |
| | 50.39 | 50 | ZYR226 | R. Gazeta, Brazil | |
| | 50.39 | 1 | CE595 | R. Nuevo Mundo, Chile | |
| | a50.39 | 0.75 | HCTR1 | R. Equinoccial, Ecuador | |
| | 50.39 | 0.5 | OAX4P | R. Huancayo, Peru | |
| 5958 | 50.36 | 10 | | Lubumbashi, Congo Democratic Republic | |
| 5960 | 50.34 | 100 | | Allouis, France | |
| | 50.34 | 250 | | Woofferton (VOA), Gt. Brit. | |
| | 50.34 | 100 | | Trans World Radio, Monaco | |
| | 50.34 | 50 | | Kaunas, USSR | |
| | 50.34 | 100 | | Vladivostok, USSR | |
| | 50.34 | 35/100 | | Tanger (VOA), Morocco | |
| | 50.34 | 20/240 | | R. Peking, China | |
| | 50.34 | | | R. Kashmir, India | |
| | 50.34 | 50 | | Ulan Bator, Mongolia | |
| | 50.34 | 1 | BEP23 | Taipei, Tiawan | |
| | 50.34 | 1.5 | | Godthåb, Greenland | |
| | 50.34 | 1 | HRHR | La Voz de Occidente, Hon. | |
| | 50.34 | 1 | HJCF | La Voz de Bogotá, Colombia | |
| | 50.34 | 0.75 | HCTR1 | R. Equinoccial, Ecuador | |
| | 50.34 | 0.25 | OAX7L | La Voz del Altiplano, Peru | |
| 5965 | 50.29 | 10 | | Gaberones, Botswana | |
| | 50.29 | 100 | | Tripoli, Libya | |
| | 50.29 | 35 | | Tanger (VOA), Morocco | |
| | 50.29 | 10 | APO2 | Quetta, Pakistan | |
| | 50.29 | 1 | HRWW | La Voz de Centroamérica, Honduras | |
| | 50.29 | 7.5 | ZYU60 | R. Guiaba, Brazil | |
| | 50.29 | 0.2 | HCGE5 | R. Mundial, Ecuador | |
| 5970 | 50.25 | 100 | | Praha, Czechoslovakia | |
| | 50.25 | 10/100/250 | | R. Free Europe | |
| | 50.25 | 5/100 | | Warsaw, Poland | |
| | 50.25 | 100 | | Moscow, USSR | |
| | 50.25 | 100 | | Tashkent, USSR | |
| | 50.25 | 50 | | Alger, Algeria | |
| | 50.25 | 4 | | R. Brazzaville, Congo | |
| | 50.25 | 10 | | AIR Gauhati, India | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 5970 | 50.25 | 10 | YDO2 | Bandjarmasin, Indonesia | |
| | 50.25 | 1 | DZCA | NCDA, Philippines | |
| | 50.25 | 50 | | R. Canada, Canada | |
| | 50.25 | 5 | HJVN | R. Horizonte, Colombia | |
| | 50.25 | 10 | OBX4Q | R. El Sol, Peru | |
| 5975 | 50.21 | 15/100 | | BBC London, Gt. Britain | |
| | 50.21 | 10 | | Gwelo, Rhodesia | |
| | 50.21 | 20/240 | | R. Peking, China | |
| | 50.21 | 10 | HLK22 | Seoul, Korea | |
| | 50.21 | 1 | CP44 | R. Nacional, Bolivia | |
| | 50.21 | 10 | ZYT44 | R. Guarujá, Brazil | |
| | 50.21 | 10 | CE597 | Emis. Pres. Balmaceda, Chile | |
| | 50.21 | 3 | ZPA6 | R. Guarani, Paraguay | |
| 5980 | 50.17 | 50/100 | | R. Nederland, Holland | |
| | 50.17 | 100 | | Tbilisi, USSR | |
| | 50.17 | 0.5 | | Freetown, Sierra Leone | |
| | 50.17 | 100 | | Beyrouth, Lebanon | |
| | 50.17 | 3.5 | BED30 | Taipei (BBC), Taiwan | |
| | 50.17 | 1.5 | | Godthåb, Greenland | |
| | 50.17 | 2 | ZFY | Demerara, Guiana | |
| | 50.17 | 10 | HJLY | La Voz del Rio Grande, Col. | |
| | 50.17 | 5 | OBX4M | R. Panamericana, Peru | |
| 5985 | 50.13 | 10/100/250 | | R. Free Europe | |
| | 50.13 | 50/100 | | R. Nederland, Holland | |
| | 50.13 | 50/100 | | R. Nacional, Portugal | |
| | 50.13 | 100 | | R. Tanzania, Tanzania | |
| | 50.13 | 20/240 | | R. Peking, China | |
| | 50.13 | 7.5/100 | APD2 | Dacca, Pakistan | |
| | 50.13 | 1 | BEC37 | Taipei, Taiwan | |
| | 50.13 | | | Hanoi, Vietnam (Dem. Rep.) | |
| | 50.13 | 1 | LRS2 | R. Splendid, Argentina | |
| | 50.13 | 10 | HJHA | Trans. Independencia, Col. | |
| 5990 | 50.08 | 15/100 | | BBC London, Gt. Britain | |
| | 50.08 | 50/60/100 | | R. Roma, Italy | |
| | 50.08 | 120 | | R. Bucharest, Rumania | |
| | 50.08 | 100 | | Hörby, Sweden | |
| | 50.08 | 100 | | Irkutsk, USSR | |
| | 50.08 | 10 | | AIR Bhopal, India | |
| | 50.08 | 10 | YDS | Menado, Indonesia | |
| | 50.08 | 0.5 | | Pakanbaru, Indonesia | |
| | 50.08 | 50 | | R. Canada, Canada | |
| | 50.08 | 7.5 | PRL5 | R. Educacão, Brazil | |
| | 50.08 | 1 | OAX1W | R. Nac. Tumbes, Peru | |
| 5993 | 50.05 | 10 | | R. Mdandaka, Congo | |
| 5995 | 50.04 | 25 | | R. Andorra, Andorra | |
| | 50.04 | 35 | | Thessaloniki (VOA), Greece | |
| | 50.04 | 10 | | Blantyre, Malawi | |
| | 50.04 | 3 | BEC77 | Taipei, Taiwan | |
| | 50.04 | 50 | | R. Canada, Canada | |
| | 50.04 | 250 | | Greenville, USA | |
| | 50.04 | 1 | HRP1 | Ecos de Honduras, Honduras | |
| | 50.04 | 4 | | R. Martinique, Martinique | |
| | 50.04 | 1 | HOM50 | Circuito RPC, Panama | |
| | 50.04 | 1 | CP41 | R. Loyola, Bolivia | |
| | 50.04 | 1 | HJGR | La Voz del Pueblo, Colombia | |
| 6000 | 50.00 | 1 | OEI20 | Aldrans, Austria | |
| | 50.00 | 50/100 | | Moscow, USSR | |
| | 50.00 | 50/100 | | R. Afghanistan, Afghanistan | |
| | 50.00 | 20/240 | | R. Peking, China | |
| | 50.00 | 50 | | Riyadh, Saudi Arabia | |
| | 50.00 | 7.5 | | R. Singapura, Singapore | |
| | 50.00 | 7.5 | 4VB | Voix de la Rev. Duv, Haiti | |
| | 50.00 | 25 | PRK5 | R. Inconfidencia, Brazil | |
| | 50.00 | 5 | CXA2 | R. Sur, Uruguay | |
| | 50.00 | 1 | YVNL | R. Miranda, Venezuela | |
| 6003 | 49.97 | 0.25 | | Tripolis, Greece | |
| 6005 | 49.96 | 20/100 | | Berlin (RIAS), Germany | |
| | 49.96 | 50/100 | | R. Nederland, Holland | |
| | 49.96 | 5/100 | | Warsaw, Poland | |
| | 49.96 | 50 | | Sverdlovsk, USSR | |
| | 49.96 | 1 | | R. Buea, Cameroon | |
| | 49.96 | 20 | | Paradys, South Africa | |
| | 49.96 | 10 | | R. Tanzania, Zanzibar | |
| | 49.96 | 10 | | Colombo, Ceylon | |
| | 49.96 | 0.4 | VRH7 | Suva, Fiji Islands | |
| | 49.96 | 0.075 | CFCX | Montreal, Canada | |
| | 49.96 | 10 | CP58 | R. Progreso, Bolivia | |
| 6010 | 49.92 | 100 | | Wavre, Belgium | |
| | 49.92 | 15/100 | | BBC London, Gt. Britain | |
| | 49.92 | 100 | | Moscow, USSR | |
| | 49.92 | 0.25/10 | VUC | AIR, Calcutta, India | |
| | 49.92 | 7.5/100 | | BBC, Malaysia | |
| | 49.92 | 35/100 | | Okinawa (VOA), Ryukyu Isl. | |
| | 49.92 | 10 | | Thai TV Co, Thailand | |
| | 49.92 | 1 | CJCX | Sydney, Canada | |
| | 49.92 | 0.5 | XEO1 | R. Mil, Mexico | |
| | 49.92 | 5 | YSS | R. Nacional El Salvador | |
| | 49.92 | 0.25 | CE601 | R. Norte, Chile | |
| | 49.92 | 10 | HJFK | La Voz Amiga, Colombia | |
| | 49.92 | 0.5 | OAX4V | R. América, Peru | |
| 6015 | 49.88 | 50 | | Rhodes (VOA), Greece | |
| | 49.88 | 100 | | Schwarzenburg, Switzerland | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 6015 | 49.88 | 100 | | R. Abidjan, Ivory Coast | |
| | 49.88 | 50 | HLK31 | Seoul, Korea | |
| | 49.88 | 25 | PRA8 | R. Cl. de Pernambuco, Brazil | |
| | 49.88 | 0.5 | HCEB4 | R. Manta, Ecuador | |
| | 49.88 | 1 | ZPA10 | R. Paraguay, Paraguay | |
| 6020 | 49.83 | 10 | | R. Nederland, Holland | |
| | 49.83 | 50 | | Khabarovsk, USSR | |
| | 49.83 | 50 | | Kiev, USSR | |
| | 49.83 | 100 | | Moscow, USSR | |
| | 49.83 | 20 | | Gwelo, Rhodesia | |
| | 49.83 | 10/100 | VUD | AIR Delhi, India | |
| | 49.83 | 2.5 | | AIR Simla, India | |
| | 49.83 | 3 | | Amman, Jordan | |
| | 49.83 | 250 | | Greenville, USA | |
| | 49.83 | 7 | 4VEB | R. Caraibes, Haiti | |
| | 49.83 | 1 | HRSP | R. Moderna, Honduras Rep. | |
| | 49.83 | 0.25 | XEUW | El Eco de Sotavento, Mexico | |
| | 49.83 | 1 | OAX4Q | R. Victoria, Peru | |
| 6025 | 49.79 | 100 | DMQ6 | Deutsche Welle, Germany | |
| | 49.79 | 10/100 | | R. Nederland, Holland | |
| | 49.79 | 50/100 | CSA52 | R. Nacional, Portugal | |
| | 49.79 | 10 | CR6RZ | R. Angola, Angola | |
| | 49.79 | 0.3 | | Van, Turkey | |
| | 49.79 | 20/240 | | R. Peking, China | |
| | 49.79 | 10 | | R. Malaysia, Malaysia | |
| | 49.79 | 10 | ZYR63 | R. Em. de Piratininga, Brazil | |
| | 49.79 | 3 | ZPA1 | R. Nacional, Paraguay | |
| 6028 | 49.78 | 1 | OAX8B | R. Nacional Iquitos, Peru | |
| 6030 | 49.75 | 20 | | Mühlacker (SDR), Germany | |
| | 49.75 | 100 | | Moscow, USSR | |
| | 49.75 | 100 | | Simferopol, USSR | |
| | 49.75 | 4 | | Franceville, Gabon | |
| | 49.75 | 100 | | Baghdad, Iraq | |
| | 49.75 | 2 | DZH6 | Call of the Orient, Philippines | |
| | 49.75 | 0.1 | CFVP | Calgary, Canada | |
| | 49.75 | 110 | | Bethany, USA | |
| | 49.75 | 1 | CE603 | R. Minera, Chile | |
| 6035 | 49.71 | 50/100 | | R. Nederland, Holland | |
| | 49.71 | 30 | | R. Monte Carlo, Monaco | |
| | 49.71 | 50 | | Khabarovsk, USSR | |
| | 49.71 | 50 | | Riazan, USSR | |
| | 49.71 | 50 | | Monrovia (VOA), Liberia | |
| | 49.71 | 4 | | R. Mauritania, Mauritania | |
| | 49.71 | 50 | XZK3 | Rangoon, Burma | |
| | 49.71 | 10/100 | VUD | AIR Delhi, India | |
| | 49.71 | 10 | HLK53 | Seoul, Korea | |
| | 49.71 | 1 | HRTL | R. Tic Tac, Honduras Rep. | |
| | 49.71 | 10 | ZYZ26 | R. Globo, Brazil | |
| | 49.71 | 0.5 | HCNK3 | R. Cariamanca, Ecuador | |
| | 49.71 | 0.2 | OAX6B | R. Landa, Peru | |
| | 49.71 | 1 | CXA30 | R. Nacional, Uruguay | |
| 6037 | 49.69 | 2 | TIFC | Faro del Caribe, Costa Rica | |
| 6040 | 49.67 | 100 | | Munich (VOA), Germany | |
| 6040 | 49.67 | 100 | | Moscow, USSR | |
| | 49.67 | 4/30 | | R. Yaoundé, Cameroon | |
| | 49.67 | 7.5 | BED9 | Taipei (BBC), Taiwan | |
| | 49.67 | 0.5 | HRDN | R. Caribe, Honduras Rep. | |
| | 49.67 | 10 | HJCB | La Voz del Tolima, Colombia | |
| 6042 | 49.65 | 0.25 | OAX6A | R. Arequipa, Peru | |
| 6045 | 49.63 | 5 | | Athens (FBS), Greece | |
| | 49.63 | 50 | | Moscow, USSR | |
| | 49.63 | 100 | YDF | Djakarta, Indonesia | |
| | 49.63 | 0.25 | XEXQ | R. Universidad, Mexico | |
| | 49.63 | 50/500 | | Greenville, USA | |
| | 49.63 | 1 | HOU31 | La Voz del Baru, Panama | |
| | 49.63 | 25 | ZYS33 | R. Clube Paranaense, Brazil | |
| 6050 | 49.59 | 50/100 | | R. Berlin Int, Germany | |
| | 49.59 | 50/250 | | BBC London, Gt. Britain | |
| | 49.59 | 50/60/100 | | R. Roma, Italy | |
| | 49.59 | 20 | | Irkutsk, USSR | |
| | 49.59 | 50 | | Khabarovsk, USSR | |
| | 49.59 | 5/100 | | R. Clube de Moçambique | |
| | 49.59 | 10 | | Ibadan (WNRS), Nigeria | |
| | 49.59 | 10/100 | VUD | AIR Delhi, India | |
| | 49.59 | 1 | HRLP | R. América, Honduras Rep. | |
| | 49.59 | 0.5 | CE605 | R. Libertad, Chile | |
| | 49.59 | | | R. Tucapel, Chile | |
| | 49.59 | 30/50 | HCJB | La Voz de los Andes, Ecuad. | |
| 6055 | 49.55 | 100 | | Praha, Czechoslovakia | |
| | 49.55 | 100 | | Moscow, USSR | |
| | 49.55 | 50 | | Tallinn, USSR | |
| | 49.55 | 50 | | Kigali, Rwanda | |
| | 49.55 | 10/50 | JOZ2 | Tokyo, Japan | |
| | 49.55 | 1/10/100 | | R. Kuwait, Kuwait | |
| | 49.55 | 0.25 | DYH4 | Dumaguete City, Philippines | |
| | 49.55 | 250 | | Greenville, USA | |
| | 49.55 | 1 | CP18 | R. El Condor, Bolivia | |
| | 49.55 | 10 | PRB21 | R. Panamericana, Brazil | |
| | 49.55 | 5 | HJEX | R. Pacifico, Colombia | |
| | 49.55 | 1 | OAX6E | R. Continental, Peru | |
| | 49.55 | 5 | CXA53 | La Voz de Melo, Uruguay | |
| 6060 | 49.50 | 250 | | Woofferton (VOA), Gt. Brit. | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 6060 | 49.50 | 5/25 | | Caltanisetta, Italy | |
| | 49.50 | 50 | | Chita, USSR | |
| | 49.50 | 20 | | Lusaka, Zambia | |
| | 49.50 | 120/240 | | R. Habana, Cuba | |
| | 49.50 | 1 | HRU | R. Centro, Honduras Rep. | |
| | 49.50 | 50 | LRA31 | Buenos Aires, Argentina | |
| | 49.50 | 0.75 | HCAC1 | La Voz Democracia, Ecuador | |
| 6062 | 49.48 | 2 | | Bangkok, Thailand | |
| | 49.48 | 0.25 | OAX8L | R. Telesar, Peru | |
| 6065 | 49.46 | 100 | | Hörby, Sweden | |
| | 49.46 | 50 | | Kazan, USSR | |
| | 49.46 | 7.5/100 | | BBC, Cyprus | |
| | 49.46 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 49.46 | 20/240 | | R. Peking, China | |
| | 49.46 | 2 | | AIR Kohima, India | |
| | 49.46 | 50/500 | | Greenville, USA | |
| | 49.46 | 1 | XEXG | R. Dif. México, Mexico | |
| | 49.46 | 10 | PRL8 | R. Nac. Brasilia, Brazil | |
| 6070 | 49.42 | 100 | | R. Sofia, Bulgaria | |
| | 49.42 | 150 | | Lvóv, USSR | |
| | 49.42 | 100/250 | | Accra, Ghana | |
| | 49.42 | 4 | | R. Université, Malagasy Rep. | |
| | 49.42 | 4 | | Ziguinchor, Sénégal | |
| | 49.42 | 0.5 | 8FW32 | Sukarnopura, Indonesia | |
| | 49.42 | 10/50 | | Karachi, Pakistan | |
| | 49.42 | 1 | HSK5 | R. Thailand, Thailand | |
| | 49.42 | 1 | CFRX | Toronto, Canada | |
| | 49.42 | 0.5 | HCIW5 | R. El Mercurio, Ecuador | |
| | 49.42 | 1 | OAX4S | R. Onda Popular, Peru | |
| 6075 | 49.38 | 100 | DMQ6 | Deutsche Welle, Germany | |
| | 49.38 | 50/60/100 | | R. Roma, Italy | |
| | 49.38 | 50 | | Volgograd, USSR | |
| | 49.38 | 10 | | Colombo, Ceylon | |
| | 49.38 | 35/100 | | Okinawa (VOA), Ryuku Isl. | |
| | 49.38 | 0.5 | HIDB | R. Libertad, Dominican Rep. | |
| | 49.38 | 5 | HRMH | La Voz del Junco, Honduras | |
| | 49.38 | 1 | YMXB | R. Tissey, Nicaragua | |
| | 49.38 | 5 | CE607 | Soc. Nac. de Mineria, Chile | |
| | 49.38 | 10 | HJHV | Acción Cult. Popular, Col. | |
| | 49.38 | 2.5 | CXA3 | R. Ariel, Uruguay | |
| 6080 | 49.34 | 50/100 | | R. Berlin Int, Germany | |
| | 49.34 | 15/100 | | BBC London, Gt. Britain | |
| | 49.34 | 10 | CSB51 | R. Cl. Portuguese, Portugal | |
| | 49.34 | 20 | | Komsomolsk, USSR | |
| | 49.34 | 100 | | Alger, Algeria | |
| | 49.34 | 100 | | R. Japan, Japan | |
| | 49.34 | 7.5/100 | | BBC, Malaysia | |
| | 49.34 | 0.25 | DZI7 | Voice of Manila, Philippines | |
| | 49.34 | 7.5 | ZL7 | Wellington, New Zealand | |
| | 49.34 | 0.01 | CFKX | Vancouver, Canada | |
| | 49.34 | 0.5 | TGSMA | R. Nac. San Marcos, Guat. | |
| | 49.34 | 1 | HRME | R. El Patio, Honduras Rep. | |
| | 49.34 | | HCDG2 | R. Bolivar, Ecuador | |
| 6082 | 49.32 | 15 | OAX4Z | R. Nacional, Lima, Peru | |
| 6085 | 49.30 | 10 | DMR24 | Munich (BR), Germany | |
| | 49.30 | 50/100 | | R. Nederland, Holland | |
| | 49.30 | 50 | | Kiev, USSR | |
| | 49.30 | 100 | | Tallinn, USSR | |
| | 49.30 | 10 | | R. Kisangani, Congo Democratic Rep. | |
| | 49.30 | 10/100 | VUD | AIR Delhi, India | |
| | 49.30 | 50/200 | | Dixon, USA | |
| | 49.30 | 1 | HJDX | Ecos de Pasto, Colombia | |
| 6088a | 49.28 | 7.5 | HISD | R. TV Dominicana, Dominican Republic | |
| 6090 | 49.26 | 120 | | R. Tirana, Albania | |
| | 49.26 | 100 | | Praha, Czechoslovakia | |
| | 49.26 | 15/100 | | BBC London, Gt. Britain | |
| | 49.26 | 100 | | R. Luxembourg, Luxembourg | |
| | 49.26 | 15 | | Chita, USSR | |
| | 49.26 | 50 | | Simferopol, USSR | |
| | 49.26 | 10 | ELBC | Liberia Bc. Corp, Liberia | |
| | 49.26 | 10 | | R. TV Kaduna, Nigeria | |
| | 49.26 | 50 | | R. Cambodia, Cambodia | |
| | 49.26 | 3 | BEC26 | Taipei, Taiwan | |
| | 49.26 | 2 | VLI6 | Sydney, Australia | |
| | 49.26 | 7.5 | HISD | R. TV Dominicana, Dominican Republic | |
| | 49.26 | 1 | HRNQ | R. Morazán, Honduras Rep. | |
| | 49.26 | 1 | XECMT | R. Mante, Mexico | |
| | 49.26 | 100 | LRY1 | R. Belgrano, Argentina | |
| 6095 | 49.22 | 10/100/250 | | R. Free Europe | |
| | 49.22 | 20/50 | | R. Liberty | |
| | 49.22 | 20 | | Paradys, So. Africa | |
| | 49.22 | 100 | | Baghdad, Iraq | |
| | 49.22 | 25 | ZYB7 | R. Dif. de São Paulo, Brazil | |
| | 49.22 | 1 | HJIW | Voz del Centro, Colombia | |
| | 49.22 | 0.25 | OAX4H | R. Oficial del Congreso, Peru | |
| 6097 | 49.20 | 1 | HSK5 | R. Thailand, Thailand | |
| 6100 | 49.18 | 100 | DMQ6 | Deutsche Welle, Germany | |
| | 49.18 | 100 | | R. Belgrade, Yugoslavia | |
| | 49.18 | 50 | | Khabarovsk, USSR | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 6100 | 49.18 | 50 | | Vladivostok, USSR | |
| | 49.18 | 100 | | R. Malaysia, Malaysia | |
| | 49.18 | 0.25 | 4VO | R. Lumière, Haiti | |
| | 49.18 | 1 | CE610 | R. Calama, Chile | |
| | 49.18 | 1 | HCSP4 | La Voz del Volante, Ecuador | |
| 6103 | 49.15 | 20/240 | | R. Peking, China | |
| 6105 | 49.14 | 10/100/250 | | R. Free Europe | |
| | 49.14 | 10 | | Mogadiscio, Somali Rep. | |
| | 49.14 | 5 | | Ulan Bator, Mongolia | |
| | 49.14 | 7.5 | BEC61 | Air Force St, Taiwan | |
| | 49.14 | 0.25 | XEQM | Mérida, Mexico | |
| | 49.14 | 5 | ZYN6 | Ceará R. Clube, Brazil | |
| | 49.14 | 5 | HJNV | R. Visión, Colombia | |
| | 49.14 | 1 | OAX6F | R. Nacional Tacna, Peru | |
| 6107 | 49.12 | 20/240 | | R. Peking, China | |
| 6110 | 49.10 | 75 | | BBC London, Gt. Britain | |
| | 49.10 | 50 | | Baku, USSR | |
| | 49.10 | | | R. Kashmir, India | |
| | 49.10 | 7.5/100 | | BBC, Malaysia | |
| | 49.10 | 0.5 | TGQA | R. Nac. Quezaltenango, Guat. | |
| | 49.10 | 1 | HRXV | R. Comayagüela, Honduras | |
| | 49.10 | 1 | ZPA11 | R. Charitas, Paraguay | |
| | 49.10 | 1 | YVNK | R. Cabimas, Venezuela | |
| 6115 | 49.06 | 20 | | R. Berlin Int, Germany | |
| | 49.06 | 10/100/250 | | R. Free Europe | |
| | 49.06 | 50 | | Khabarovsk, USSR | |
| | 49.06 | 1 | | R. Douala, Cameroon | |
| | 49.06 | 50 | | R. TV Congolaise, Congo | |
| | 49.06 | 5/100 | | R. Clube de Moçambique | |
| | 49.06 | 1 | XEUDS | R. Univ. de Sonora, Mexico | |
| | 49.06 | 100 | ZYC7 | R. Tamoio, Brazil | |
| | 49.06 | 5 | CE611 | Soc. Nac. de Agric, Chile | |
| | 49.06 | 1 | HJIQ | La Voz del Llano, Colombia | |
| | 49.06 | 10 | OBZ4O | R. Union, Peru | |
| | 49.06 | 1 | CXA73 | R. Clarin, Uruguay | |
| 6116 | 49.02 | 5 | | Dalat, Vietnam | |
| 6120 | 49.02 | 120 | | R. Tirana, Albania | |
| | 49.02 | 15 | OIX7 | Pori, Finland | |
| | 49.02 | 100 | DMQ6 | Deutsche Welle, Germany | |
| | 49.02 | 15/100 | | BBC London, Gt. Britain | |
| | 49.02 | 100 | | Schwarzenburg, Switzerland | |
| | 49.02 | 50 | | Sverdlovsk, USSR | |
| | 49.02 | 7.5/100 | | BBC, Cyprus | |
| | 49.02 | 10 | | AIR Hyderabad, India | |
| | 49.02 | 10 | APR2 | Rawalpindi, Pakistan | |
| | 49.02 | 50 | DZF4 | Call of the Orient, Philipp. | |
| | 49.02 | 2.5 | 4VE | R. St. 4VEH, Haiti | |
| | 49.02 | 0.5 | XETS | R. XETS, Mexico | |
| | 49.02 | 1 | YNCA | R. Atlanta, Nicaragua | |
| | 49.02 | 10 | LRX1 | R. El Mundo, Argentina | |
| 6123 | 49.01 | 1 | OCX4A | R. La Cronica, Peru | |
| 6125 | 48.98 | 10/100/250 | | R. Free Europe | |
| | 48.98 | 15/100 | | BBC London, Gt. Britain | |
| | 48.98 | 10 | | R. Kasai, Congo Dem. Rep. | |
| | 48.98 | 20/240 | | R. Peking, China | |
| | 48.98 | 250 | | Greenville, USA | |
| | 48.98 | 1 | HRQ | La Voz de Suyapa, Honduras | |
| | 48.98 | 1 | CP15 | R. El Condor, Bolivia | |
| | 48.98 | 7.5 | PRG9 | R. Nac. de São Paulo, Brazil | |
| | 48.98 | 1 | HJKE | R. Continental, Colombia | |
| | 48.98 | 10 | CXA4 | S.O.D.R.E, Uruguay | |
| 6128 | 48.96 | 0.1 | OAX7A | R. Cuzco, Peru | |
| 6130 | 48.94 | 10 | LKJ | R. Norway, Norway | |
| | 48.94 | 100 | | R. Nacional, Spain | |
| | 48.94 | 50 | | Khabarovsk, USSR | |
| | 48.94 | 100/250 | | Accra, Ghana | |
| | 48.94 | 20/240 | | R. Peking, China | |
| | 48.94 | 10 | | Colombo, Ceylon | |
| | 48.94 | 10 | | AIR Gauhati, India | |
| | 48.94 | 10 | | Vientiane, Laos | |
| | 48.94 | 0.5 | CHNX | Halifax, Canada | |
| | 48.94 | | HCFB2 | R. Condor, Ecuador | |
| | 48.94 | 30/50 | HCJB | La Voz de los Andes, Ecuad. | |
| 6135 | 48.90 | 10/100/250 | | R. Free Europe | |
| | 48.90 | 5/100 | | Warsaw, Poland | |
| | 48.90 | 10 | | R. Malaysia, Malaysia | |
| | 48.90 | 4 | | Papéete, Tahiti | |
| | 48.90 | 120/240 | | R. Habana, Cuba | |
| | 48.90 | 1 | HRME | R. El Patio, Honduras Rep. | |
| | 48.90 | 1 | CP30 | R. Sta. Cruz, Bolivia | |
| | 48.90 | 7.5 | PRC21 | R. TV Gaucha, Brazil | |
| | 48.90 | 10 | CE613 | Concepción, Chile | |
| | 48.90 | 0.5 | OCX4M | R. Pasco, Peru | |
| 6140 | 48.86 | 100 | | R. Nacional, Spain | |
| | 48.86 | 10 | | R. Burundi, Burundi | |
| | 48.86 | 1 | | Tripoli, Libya | |
| | 48.86 | 50/250 | | Monrovia (VOA), Liberia | |
| | 48.86 | 10/100 | VUD | AIR Delhi, India | |
| | 48.86 | 100 | | R. Japan, Japan | |
| | 48.86 | 10 | APP2 | Peshawar, Pakistan | |
| | 48.86 | 10 | VLW6 | Perth, Australia | |
| | 48.86 | 0.5 | YNW | R. Mundial, Nicaragua | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 6140 | 48.86 | 0.5 | CP81 | Luis de Fuentes, Bolivia | |
| | 48.86 | 1 | HJNE | R. El Sol, Colombia | |
| | 48.86 | 0.02 | OAX9B | R. Amazonas, Peru | |
| | 48.86 | 0.2 | OAX1A | R. Delcar, Peru | |
| 6145 | 48.82 | 100 | DMQ6 | Deutsche Welle, Germany | |
| | 48.82 | 100 | | Moscow, USSR | |
| | 48.82 | 50 | | Omsk, USSR | |
| | 48.82 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 48.82 | 50/250 | | Monrovia (VOA), Liberia | |
| | 48.82 | 50/100 | | Cairo, United Arab Rep. | |
| | 48.82 | 50/200 | | Dixon, USA | |
| | 48.82 | 1 | HRXE | R. Mil Treinta, Hon. Rep. | |
| | 48.82 | 50 | PRL7 | R. Nacional Rio, Brazil | |
| | 48.82 | 1 | HJEQ | La Voz del Cauca, Colombia | |
| | 48.82 | 0.5 | OAZ4E | R. Mineria, Peru | |
| 6148 | 48.80 | 10 | CXA20 | R. Monte Carlo, Uruguay | |
| 6150 | 48.78 | 15/100 | | BBC London, Gt. Britain | |
| | 48.78 | 250 | | Woofferton (VOA), Gt. Bri. | |
| | 48.78 | 120 | | R. Bucarest, Rumania | |
| | 48.78 | 10 | | R. Belgrade, Yugoslavia | |
| | 48.78 | 1 | CR6RF | R. Clube de Benguela, Angola | |
| | 48.78 | 20 | | Paradys, So. Africa | |
| | 48.78 | 10 | VUB | AIR Bombay, India | |
| | 48.78 | 10 | VLR6 | Melbourne, Australia | |
| | 48.78 | 1 | TIJCV | R. Guapiles, Costa Rica | |
| | 48.78 | 5 | CE615 | La Voz de Chile, Chile | |
| | 48.78 | 2 | OBX4G | R. Excelsior, Peru | |
| 6155 | 48.74 | 100 | OEI21 | Vienna, Austria | |
| | 48.74 | 3 | CSB52 | R. Renascença, Portugal | |
| | 48.74 | 50 | | Lvov, USSR | |
| | 48.74 | 18 | | Conakry, Guinea | |
| | 48.74 | 20/240 | | R. Peking, China | |
| | 48.74 | | | Lanchow, China | |
| | 48.74 | 5 | | R. Tabriz, Iran | |
| | 48.74 | 50 | | Baghdad, Iraq | |
| | 48.78 | 10 | | Tokyo (FEN), Japan | |
| | 48.74 | 50 | | R. Singapura, Singapore | |
| | 48.84 | 0.25 | 4VWA | R. Citadelle, Haiti | |
| | 48.74 | 1 | CP12 | R. Fides, Bolivia | |
| | 48.74 | 1 | OAX8A | R. Pucallpa, Peru | |
| 6160 | 48.70 | 120 | | R. Tirana, Albania | |
| | 48.70 | 50 | | Sebaa-Aioun, Morocco | |
| | 48.70 | 1 | APL2 | Lahore, Pakistan | |
| | 48.70 | 1 | HSK4 | R. Thailand, Thailand | |
| | 48.70 | 0.5 | CKZU | Vancouver, Canada | |
| | 48.70 | 0.3 | CKZN | St. John's, Canada | |
| | 48.70 | 10 | HJKJ | Emis. Nueva Granada, Col. | |
| | 48.70 | 1 | OCX4G | R. Mundo, Peru | |
| 6165 | 48.66 | 250 | | Schwarzenburg, Switzerland | |
| | 48.66 | 100 | | Kiev, USSR | |
| | 48.66 | 15 | | Vladivostok, USSR | |
| | 48.66 | 120 | | Lusaka, Zambia | |
| | 48.66 | 20 | | Damascus, Syria | |
| | 48.66 | 20/200 | | Saigon, Vietnam | |
| | 48.66 | 1 | HRTV | R. Televisión, Hon. Rep. | |
| | 48.66 | 10 | XEWW | Voz América Latina, Mexico | |
| | 48.66 | 7.5 | ZYR58 | R. Dif. Sãa Paulo, Brazil | |
| | 48.66 | 0.4 | OAX2A | R. Trujillo, Peru | |
| 6170 | 48.62 | 50 | | R. Liberty | |
| | 48.62 | 50/100 | | BBC London, Gt. Britain | |
| | 48.62 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 48.62 | 5 | | Ulan Bator, Mongolia | |
| | 48.62 | 10 | 8FK35 | Padang, Indonesia | |
| | 48.62 | 50 | | Malolos (VOA), Philippines | |
| | 48.62 | 7.5/50 | DUH2 | Philipp. Bc. Sce, Philippines | |
| | 48.62 | 4 | | Cayenne, Fr. Guiana | |
| | 48.62 | 1 | CE617 | R. Universidad, Chile | |
| | 48.62 | 1 | HJDD | R. Valledupár, Colombia | |
| | 48.62 | 0.25 | HCPJ2 | R. Fluminense, Ecuador | |
| | 48.62 | 0.35 | OBX4B | R. Corporación, Peru | |
| | 48.62 | 1 | CXA21 | R. Fenix, Uruguay | |
| | 48.62 | 10 | YVKG | R. Nacional, Venezuela | |
| 6175 | 48.58 | 100 | | Allouis, France | |
| | 48.58 | 120 | | Kazan, USSR | |
| | 48.58 | 50 | | Alger, Algeria | |
| | 48.58 | 20 | | Kaduna (NBC), Nigeria | |
| | 48.58 | 100 | | R. Malaysia, Malaysia | |
| | 48.58 | 10 | ZYV74 | R. Guarani, Brazil | |
| | 48.58 | 0.3 | OAX7C | R. Tahuantisuyo, Peru | |
| 6176 | 48.56 | | | Sian, China | |
| 6180 | 48.54 | 120 | | R. Tirana, Albania | |
| | 48.54 | 15/100 | | BBC London, Gt. Britain | |
| | 48.54 | 100 | | Alma Ata, USSR | |
| | 48.54 | 40 | | Tashkent, USSR | |
| | 48.54 | 50/250 | | Monrovia (VOA), Liberia | |
| | 48.54 | 5/100 | | R. Clube de Moçambique | |
| | 48.54 | 20/240 | | R. Peking, China | |
| | 48.54 | 10 | TGWB | Voz de Guatemala, Guat. | |
| | 48.54 | 10 | LRA34 | R. Nac. Mendoza, Argentina | |
| | 48.54 | 50 | HJWT | R. Nacional, Colombia | |
| | 48.54 | 0.5 | OBX4P | R. Miraflores, Peru | |
| 6185 | 48.50 | 100 | DMQ6 | Deutsche Welle, Germany | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 6185 | 48.50 | 10/100/250 | | R. Free Europe | |
| | 48.50 | 10 | LLI | R. Norway, Norway | |
| | 48.50 | 10/100 | CSA29 | R. Nacional, Portugal | |
| | 48.50 | 50 | | Dushanbé, USSR | |
| | 48.50 | 100 | | Addis Ababa, Ethiopia | |
| | 48.50 | 10 | | Colombo, Ceylon | |
| | 48.50 | 20/200 | | Dixon, USA | |
| | 48.50 | 0.1 | HIAU | La Voz de la Libertad, Dominican Republic | |
| | 48.50 | 1 | HRMT | R. Molina Rojo, Hon. Rep. | |
| | 48.50 | 1 | XEICM | La Voz del Maestro, Mexico | |
| | 48.50 | 1 | CP9 | R. Amauta, Bolivia | |
| | 48.50 | 10 | ZYR77 | R. Bandeirantes, Brazil | |
| 6190 | 48.47 | 10 | DRM23 | R. Bremen, Germany | |
| | 48.47 | 120 | | R. Bucharest, Rumania | |
| | 48.47 | 50 | | Khabarovsk, USSR | |
| | 48.47 | 15 | | Petropavlovsk, USSR | |
| | 48.47 | 25/100 | | Vatican Radio | |
| | 48.47 | 10/100 | VUD | AIR Delhi, India | |
| | 48.47 | 250 | | Greenville, USA | |
| | 48.47 | 10 | CE619 | R. Corporación, Chile | |
| | 48.47 | 0.4 | OAX4G | R. Lima, Peru | |
| 6195 | 48.43 | 50/100 | | BBC London, Gt. Britain | |
| | 48.43 | 50 | | Baku, USSR | |
| | 48.43 | 10 | | Bujumbura, Burundi | |
| | 48.43 | 50 | | R. Tunis, Tunisia | |
| | 48.43 | 1 | 4VPJ | R. Haiti, Haiti | |
| | 48.43 | 10 | PRD21 | Emiss. Continental, Brazil | |
| | 48.43 | 1 | HJEZ | La Voz de Cali, Colombia | |
| | 48.43 | 1.5 | HCEH6 | R. Cosmopolita, Ecuador | |
| 6198 | 48.40 | 0.3 | OAX1B | R. Sudamericana, Peru | |
| 6200 | 48.39 | 50 | | Vilnius, USSR | |
| | 48.39 | 1 | YNJM | R. Norte, Nicaragua | |
| 6205 | 48.35 | 0.5 | TGFP | R. Nacional Tikal, Guat. | |
| 6207 | 48.33 | 1 | TIHGB | R. Reloj, Costa Rica | |
| | | | **6210-7100kHz** | | |
| 6210 | 48.31 | 120/240 | | R. Peking, China | |
| 6220a | 48.23 | 0.3 | OAX7C | R. Tahuantisuyo, Peru | |
| 6225 | 48.19 | 120/240 | | R. Peking, China | |
| 6234 | 48.10 | 5/135 | | R. Budapest, Hungary | |
| 6240a | 48.08 | 0.5 | HCNK3 | R. Cariamanga, Ecuador | |
| 6245 | 48.04 | 120 | | R. Sofia, Bulgaria | |
| | 48.04 | 20/240 | | R. Peking, China | |
| 6250 | 48.00 | 10 | EAJ206 | Emis. Sta. Isabel, Sp. Guinea | |
| | a48.00 | 1 | OAX7A | R. Cuzco, Peru | |
| 6260 | 47.92 | | | Sining, China | |
| 6275 | 47.81 | 20/240 | | R. Peking, China | |
| 6280 | 47.77 | 1 | | Instanbul, Turkey | |
| 6290 | 47.69 | 120/240 | | R. Peking, China | |
| 6230 | 47.47 | 20/240 | | R. Peking, China | |
| 6325 | 47.43 | 20/240 | | R. Peking, China | |
| 6330 | 47.39 | 20/240 | | R. Peking, China | |
| 6335 | 47.36 | 20/240 | | R. Peking, China | |
| 6340 | 47.32 | 20/240 | | R. Peking, China | |
| 6345 | 47.28 | 120/240 | | R. Peking, China | |
| 6390 | 46.95 | 20/240 | | R. Peking, China | |
| 6398 | 46.90 | | | Fukien, China | |
| 6400 | 46.88 | 20/240 | | R. Peking, China | |
| †6428 | 46.67 | 10 | VHP3 | Belconnen, Australia | |
| † | 46.67 | | NPG | San Francisco, USA | |
| 6430 | 46.66 | 20/240 | | R. Peking, China | |
| †6475 | 46.33 | 5 | DAM | Elmshorn, Germany | |
| 6480 | 46.30 | 120/240 | | Pyongyang, Korea | |
| 6500 | 46.15 | | | Sining, China | |
| 6520 | 46.00 | 0.4 | | R. Gorgan, Iran | |
| | 46.00 | 20/240 | | R. Peking, China | |
| 6525 | 45.98 | 20/240 | | R. Peking, China | |
| 6540 | 45.87 | 20/240 | | R. Peking, China | |
| | 45.87 | 120/240 | | Pyongyang, Korea | |
| 6560 | 45.73 | 20/240 | | R. Peking, China | |
| 6575 | 45.63 | 20/240 | | R. Peking, China | |
| 6590 | 45.52 | 20/240 | | R. Peking, China | |
| 6600 | 45.45 | 120/240 | | Pyongyang, Korea | |
| 6610 | 45.39 | 20/240 | | R. Peking, China | |
| 6620 | 45.32 | 20/240 | | R. Peking, China | |
| 6645 | 45.15 | 20/240 | | R. Peking, China | |
| 6660 | 45.04 | 0.2 | | R. Kukësi, Albania | |
| 6710 | 44.71 | 20/240 | | R. Peking, China | |
| | a44.71 | | | R. Delcar, Peru | |
| 6715 | 44.68 | 20/240 | | R. Peking, China | |
| 6730 | 44.58 | 20/240 | | R. Peking, China | |
| 6760 | 44.38 | 20/240 | | R. Peking, China | |
| 6770 | 44.31 | 50 | | Alma Ata, USSR | |
| 6790 | 44.18 | 20/240 | | R. Peking, China | |
| 6810 | 44.05 | 20/240 | | R. Peking, China | |
| 6818 | 44.01 | 0.4 | | R. Sanandaj, Iran | |
| 6825 | 43.96 | 50 | | Tashkent, USSR | |
| | 43.96 | 20/240 | | R. Peking, China | |
| 6840 | 43.86 | | | Huhehot, Inner Mongolia | |
| 6850 | 43.80 | 0.35 | | Pathfinders St, Poland | |
| 6860 | 43.73 | 20/240 | | R. Peking, China | |
| 6870 | 43.64 | 50 | | Alma Ata, USSR | |
| 6890 | 43.54 | 20/240 | | R. Peking, China | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 6915 | 43.38 | 20/240 | | R. Peking, China | |
| 6937 | 43.25 | | | Kunming, China | |
| 6940 | 43.20 | 0.5 | | R. Rezaieh, Iran | |
| 6955 | 43.13 | 20/240 | | R. Peking, China | |
| 6975 | 43.01 | | | Huhehot, Inner Mongolia | |
| †6985 | 42.95 | | GIC26 | Hailsham, Gt. Britain | |
| 6995 | 42.99 | 120/240 | | R. Peking, China | |
| 7005 | 42.83 | 120/240 | | R. Peking, China | |
| 7025 | 42.70 | 20/240 | | R. Peking, China | |
| 7035 | 42.64 | 120/240 | | R. Peking, China | |
| 7050 | 42.55 | 50/100 | | Cairo, Un. Arab Rep. | |
| 7060 | 42.49 | 20/240 | | R. Peking, China | |
| | 42.49 | | | Hanoi, Vietnam (Dem. Rep.) | |
| 7064 | 42.46 | 100 | | R. Iran, Iran | |
| 7065 | 42.46 | 20/240 | | R. Peking, China | |
| 7070 | 42.42 | 20/240 | | R. Peking, China | |
| 7075 | 42.40 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 42.40 | 20/240 | | R. Peking, China | |
| 7080 | 42.37 | 120/240 | | R. Peking, China | |
| 7095 | 42.28 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 42.28 | 20/240 | | R. Peking, China | |
| | | **7100-7300kHz** | | **(41 metre band)** | |
| 7100 | 42.25 | 5/135 | | R. Budapest, Hungary | |
| | 42.25 | 0.25 | TAO6 | Izmir, Turkey | |
| 7105 | 42.22 | 10/100/250 | | R. Free Europe | |
| | 42.22 | 100 | | R. Nacional, Spain | |
| | 42.22 | 250 | | BBC, Ascencion Island | |
| | 42.22 | 4 | | R. Brazzaville, Congo | |
| | 42.22 | 4/30 | | R. Tananarive, Malagasy Rp. | |
| | 42.22 | 35 | | Colombo (VOA), Ceylon | |
| | 42.22 | 7.5 | YDJ2 | Jogjakarta, Indonesia | |
| | 42.22 | 5 | | R. Nepal, Nepal | |
| | 42.22 | 2.5 | | Bangkok, Thailand | |
| | 42.22 | 1 | | Thai TV Co, Thailand | |
| 7110 | 42.19 | 75 | | BBC London, Gt. Britain | |
| | 42.19 | 50/100 | | R. Nederland, Holland | |
| | 42.19 | 50 | | Omsk, USSR | |
| | 42.19 | 50 | | Tula, USSR | |
| | 42.19 | 3/8 | | Kampala, Uganda | |
| | 42.19 | 20/240 | | R. Peking, China | |
| | 42.19 | 50 | | R. Malaysia, Malaysia | |
| | 42.19 | 1 | BED77 | Taipei (BBC), Taiwan | |
| 7115 | 42.16 | 10/100/250 | | R. Free Europe | |
| | 42.16 | 0.5 | CR6RE | R. Cl. de Malanje, Angola | |
| | 42.16 | 10 | | Kinshasa, Congo Dem. Rep. | |
| | 42.16 | 10 | | Sebaa Aioun, Morocco | |
| | 42.16 | 20/240 | | R. Peking, China | |
| 7120 | 42.13 | 120 | | R. Tirana, Albania | |
| | 42.13 | 75 | | BBC London, Gt. Britain | |
| | 42.13 | 50 | | Tula, USSR | |
| | 42.13 | 10 | | R. Somali, Somalia | |
| | 42.13 | 20/240 | | R. Peking, China | |
| | 42.13 | 7.5/100 | | BBC, Cyprus | |
| | 42.13 | 10/100 | VUD | AIR Delhi, India | |
| | 42.13 | 10 | | Denpassar, Indonesia | |
| | 42.13 | 50 | XZK4 | Rangoon, Burma | |
| | 42.13 | 7.5/100 | | BBC, Malaysia | |
| 7125 | 42.11 | 5/100 | | Warsaw, Poland | |
| | 42.11 | 1 | CR6RD | Nova Lisboa, Angola | |
| | 42.11 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 42.11 | 18 | | Conakry, Guinea | |
| | 42.11 | 5 | | Nairobi, Kenya | |
| 7130 | 42.08 | 100 | DMQ7 | Deutsche Welle, Germany | |
| | 42.08 | 15/100 | | BBC London, Gt. Britain | |
| | 42.08 | 50 | | Rhodes (VOA), Greece | |
| | 42.08 | 50/100 | CSA55 | R. Nacional, Portugal | |
| | 42.08 | 50 | | Krasnoyarsk, USSR | |
| | 42.08 | 0.25/10 | | Nampula, Moçambique | |
| | 42.08 | 7.5/100 | | BBC, Cyprus | |
| | 42.08 | 5 | | Ulan Bator, Mongolia | |
| | 42.08 | 10/50 | | Karachi, Pakistan | |
| | 42.08 | 10 | APP2 | Peshawar, Pakistan | |
| | 42.08 | 50 | BED7 | Taipei (BCC), Taiwan | |
| 7135 | 42.05 | 30 | | R. Monte Carlo, Monaco | |
| | 42.05 | 250 | | Monrovia (VOA), Liberia | |
| | 42.05 | 35/100 | | Poro (VOA), Philippines | |
| 7140 | 42.02 | 15/50/75 | | BBC London, Gt. Britain | |
| | 42.02 | 50 | | Riga, USSR | |
| | 42.02 | 0.5 | CR6RA | R. Clube de Angola, Angola | |
| | 42.02 | 7.5/100 | | BBC, Cyprus | |
| | 42.02 | 10 | | AIR Hyderabad, India | |
| 7143 | 42.01 | 1.6 | TAO5 | Istanbul, Turkey | |
| 7145 | 41.99 | 10/100/250 | | R. Free Europe | |
| | 41.99 | 5/100 | | Warsaw, Poland | |
| | 41.99 | 20 | | Novosibirsk, USSR | |
| | 41.99 | 10/0.25 | | Quelimane, Moçambique | |
| | 41.99 | 20/7.5 | | R. Malaysia, Sarawak | |
| 7150 | 41.96 | 15/100 | | BBC London, Gt. Britain | |
| | 41.96 | 100 | | Lvov, USSR | |
| | 41.96 | 100 | | Serpukhov, USSR | |
| | 41.96 | 10 | | R. Comercial de Angola | |
| | 41.96 | 10/0.25 | | Porto Amélia, Moçambique | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 7150 | 41.96 | 20/240 | | R. Peking, China | |
| | 41.96 | 10 | | AIR Gauhati, India | |
| | 41.96 | 3 | BED35 | Taipei (BCC), Taiwan | |
| 7155 | 41.92 | 20/50 | | R. Liberty | |
| | 41.92 | 15/100 | | BBC London, Gt. Britain | |
| | 41.92 | 0.25 | | Joannina, Greece | |
| | 41.92 | 4/30 | | Tananarive, Malagasy Rep. | |
| | 41.92 | 4 | | R. Niger, Niger | |
| | 41.92 | 20/240 | | R. Peking, China | |
| | 41.92 | 100 | | Amman, Jordan | |
| 7160 | 41.90 | 100 | | Allouis, France | |
| | 41.90 | 50 | | Lvov, USSR | |
| | 41.90 | 25/100 | | Vatican Radio | |
| | 41.90 | 10 | VUM | AIR Madras, India | |
| | 41.90 | 1 | DUH9 | R. University, Philippines | |
| | 41.90 | 20/10 | | R. Malaysia, Sarawak | |
| 7161 | 41.90 | 1 | | Serrae, Greece | |
| 7165 | 41.87 | 10/100/250 | | R. Free Europe | |
| | 41.87 | 50/100 | | R. Nederland, Holland | |
| | 41.87 | 100 | | Tripoli, Libya | |
| | 41.87 | 20 | | R. Tanzania, Tanzania | |
| | 41.87 | | | Foochow, China | |
| | 41.87 | 35 | | Okinawa (VOA), Ryuku Isl. | |
| 7170 | 41.84 | 250 | | Woofferton (VOA), Gt. Brit. | |
| | 41.84 | 50 | | Novosibirsk, USSR | |
| | 41.84 | 50 | | Alger, Algeria | |
| | 41.84 | 20/240 | | R. Peking, China | |
| | 41.84 | 2 | | AIR Kohima, India | |
| | 41.84 | 10/50 | | Karachi, Pakistan | |
| | 41.84 | 10 | | R. Singapura, Singapore | |
| | 41.84 | 4 | | R. Nouméa, New Caledonia | |
| 7175 | 41.81 | 5/25 | | Caltanisetta, Italy | |
| | 41.81 | 120 | | Starobelsk, USSR | |
| | 41.81 | 1 | CR6RS | Lobito, Angola | |
| | 41.81 | 25 | | R. TV Congolaise, Congo | |
| | 41.81 | 50/250 | | Monrovia (VOA), Liberia | |
| | 41.81 | 10 | | Saigon, Vietnam | |
| 7180 | 41.78 | 100 | | Allouis, France | |
| | 41.78 | 250 | | R. Liberty | |
| | 41.78 | 100 | | Vilnius, USSR | |
| | 41.78 | 10 | | AIR Bhopal, India | |
| | 41.78 | 100 | | Baghdad, Iraq | |
| | 41.78 | 0.5 | BEG20 | Taipei, Taiwan | |
| 7185 | 41.75 | 5/100 | | R. Berlin Int, Germany | |
| | 41.75 | 75 | | BBC London, Gt. Britain | |
| | 41.75 | 50 | | Sverdlovsk, USSR | |
| | 41.75 | 100 | | H. F. Verwoed St, So. Africa | |
| | 41.75 | 20 | | Damascus, Syria | |
| | 41.75 | 35 | BED70 | Taipei (BCC), Taiwan | |
| 7189 | 41.73 | 20 | 4XB49 | Tel Aviv, Israel | |
| 7190 | 41.72 | 10/100/250 | | R. Free Europe | |
| | 41.72 | 20/240 | | R. Peking, China | |
| | 41.72 | 10 | | Colombo, Ceylon | |
| | 41.72 | 10 | 8FW33 | Sukarnopura, Indonesia | |
| | 41.72 | 10 | | R. Australia, Australia | |
| 7195 | 41.70 | 120 | | R. Bucharest, Rumania | |
| | 41.70 | 50 | | Tula, USSR | |
| | 41.70 | 250 | | Monrovia (VOA), Liberia | |
| | 41.70 | 3/8 | | Kampala, Uganda | |
| | 41.70 | 10/100 | VUD | AIR Delhi, India | |
| | 41.70 | 100 | | R. Japan, Japan | |
| 7200 | 41.67 | 120 | | R. Tirana, Albania | |
| | 41.67 | 250 | | Woofferton (VOA), Gt. Brit. | |
| | 41.67 | 50 | | Erevan, USSR | |
| | 41.67 | 50 | | Vladivostok, USSR | |
| | 41.67 | 10 | | R. Belgrade, Yugoslavia | |
| | 41.67 | 50/100 | | Kabul, Afghanistan | |
| | 41.67 | 20/240 | | R. Peking, China | |
| | 41.67 | 10 | | R. Malaysia, Malaysia | |
| | 41.67 | 10 | BEC76 | Taipei, Taiwan | |
| 7203 | 41.65 | 1 | CR6RO | R. Clube do Bie, Angola | |
| 7205 | 41.64 | 10/100/250 | | R. Free Europe | |
| | 41.64 | 35 | | Thessaloniki (VOA), Greece | |
| | 41.64 | 100 | | Moscow, USSR | |
| | 41.64 | 7.5 | | Lubumbashi, Congo D.R. | |
| | 41.64 | 10 | CR7RB | R. Pax, Moçambique | |
| 7210 | 41.61 | 50/100 | | BBC London, Gt. Britain | |
| | 41.61 | 50/100 | | R. Nederland, Holland | |
| | 41.61 | 0.4 | | Ukesenderen, Norway | |
| | 41.61 | 25/100 | | Schwarzenburg, Switzerland | |
| | 41.61 | 100 | | Moscow, USSR | |
| | 41.61 | 50 | | Vladivostok, USSR | |
| | 41.61 | 10 | | Nairobi, Kenya | |
| | 41.61 | 4/100 | | Dakar, Senegal | |
| | 41.61 | 0.25/10 | VUC | AIR Calcutta, India | |
| 7215 | 41.58 | 0.5 | | Kozani (FBS), Greece | |
| | 41.58 | 100 | | Trans World Radio, Monaco | |
| | 41.58 | 1 | | R. Abidjan, Ivory Coast | |
| | 41.58 | 10/100 | VUD | AIR Delhi, India | |
| | 41.58 | 1 | | AFNT, Taiwan | |
| 7220 | 41.55 | 50 | | R. Liberty | |
| | 41.55 | 5/135 | | R. Budapest, Hungary | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 7220 | 41.55 | 50 | | Vladivostok, USSR | |
| | 41.55 | 10 | APQ2 | Quetta, Pakistan | |
| | 41.55 | 50 | | Riyadh, Saudi Arabia | |
| | 41.55 | 100 | | R. Australia, Australia | |
| 7225 | 41.52 | 120 | | R. Bucharest, Rumania | |
| | 41.52 | 2.7 | | Maldive Isl. Bc. Sce, Mal. Isl. | |
| | 41.52 | 10 | | Sebaa-Aioun, Morocco | |
| | 41.52 | 10/100 | VUD | AIR Delhi, India | |
| | 41.52 | 3 | DZI9 | Call of the Orient, Philippines | |
| 7230 | 41.49 | 75 | | BBC London, Gt. Britain | |
| | 41.49 | 100 | | Kiev, USSR | |
| | 41.49 | 0.75 | CR6RM | R. Cl. de Mocamedes, Ang. | |
| | 41.49 | 4 | | Ouagadougou, Upper Volta | |
| | 41.49 | 20/240 | | R. Peking, China | |
| | 41.49 | 7.5/100 | | BBC, Cyprus | |
| | 41.49 | 7.5 | | AIR Kurseong, India | |
| | 41.49 | 1 | | Biak, Indonesia | |
| | 41.49 | 5 | JKH | Tokyo (NHK), Japan | |
| | 41.49 | 10 | JOZ6 | Tokyo, Japan | |
| 7235 | 41.47 | 10/100/250 | | R. Free Europe | |
| | 41.47 | 50/60/100 | | R. Roma, Italy | |
| | 41.47 | 10 | CR6RZ | R. Angola, Angola | |
| | 41.47 | 10/100 | VUD | AIR Delhi, India | |
| | 41.47 | 7.5/100 | | BBC, Malaysia | |
| | 41.47 | 10/50 | | Karachi, Pakistan | |
| | 41.47 | 35/100 | | Okinawa (VOA), Ryuku Isl. | |
| | 41.47 | 50/20 | | Damascus, Syria | |
| 7240 | 41.44 | 100/ | | | |
| | | 120 | LLR | R. Norway, Norway | |
| | 41.44 | 50 | | Tula, USSR | |
| | 41.44 | 250 | | BBC, Ascencion Isl. | |
| | 41.44 | 4/30 | | R. Garoua, Cameroon | |
| | 41.44 | 10 | | Nairobi, Kenya | |
| | 41.44 | 0.3 | | Beira, Moçambique | |
| | 41.44 | 20/240 | | R. Peking, China | |
| | 41.44 | 10 | VUB | AIR Bombay, India | |
| | 41.44 | 7.5 | YDP3 | Medan, Indonesia | |
| | 41.44 | 10/50 | | Karachi, Pakistan | |
| | 41.44 | 1.5 | BEC28 | Taipei, Taiwan | |
| 7245 | 41.41 | 100 | OEI33 | Vienna, Austria | |
| | 41.41 | 10/100/250 | | R. Free Europe | |
| | 41.41 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 41.41 | 4 | | R. Mauritania, Mauritania | |
| | 41.41 | 4 | | St. Denis, Réunion | |
| | 41.41 | 1 | APL2 | Lahore, Pakistan | |
| | 41.41 | 20 | | Saigon, Vietnam | |
| 7250 | 41.38 | 50 | | Krasnoyarsk, USSR | |
| | 41.38 | 25/100 | | Vatican Radio | |
| | 41.38 | 20/240 | | R. Peking, China | |
| | 41.38 | 10 | | AIR Lucknow, India | |
| | 41.38 | 7.5 | | R. Singapura, Singapore | |
| | 41.38 | 10 | BED21 | Taipei (BCC), Taiwan | |
| 7255 | 42.35 | 50 | | R. Sofia, Bulgaria | |
| | 41.35 | 35 | | Thessaloniki (VOA), Greece | |
| | 41.35 | 50 | | Vladivostok, USSR | |
| | 41.35 | 10 | | Lagos, Nigeria | |
| | 41.35 | 10/0.25 | | Nampula, Moçambique | |
| | 41.35 | 35/100 | | Okinawa (VOA), Ryuku Isl. | |
| 7260 | 41.32 | 75 | | BBC London, Gt. Britain | |
| | 41.32 | 100 | | Trans World Radio, Monaco | |
| | 41.32 | 50 | | Minsk, USSR | |
| | 41.32 | 4 | | Dzaoudzi, Comores Isl. | |
| | 41.32 | 10/100 | VUD | AIR Delhi, India | |
| | 41.32 | 3.5 | BEC71 | Air Force St, Taiwan | |
| | 41.32 | 50 | | Ulan Bator, Mongolia | |
| | 41.32 | 0.5 | YJB7 | R. Port Vila, New Hebrides | |
| 7265 | 41.29 | 120 | | R. Tirana, Albania | |
| | 41.29 | 1.5 | DRM32 | Rohrdorf (SWF), Germany | |
| | 41.29 | 50 | | Riazan, USSR | |
| | 41.29 | 4/100 | | Lomé, Togo | |
| | 41.29 | 20/240 | | R. Peking, China | |
| | 41.29 | 5 | | Da Nang, Vietnam | |
| 7270 | 41.27 | 250 | | Woofferton (VOA), Gt. Brit. | |
| | 41.27 | 5/100 | | Warsaw, Poland | |
| | 41.27 | 20 | | Moscow, USSR | |
| | 41.27 | 50 | | Vladivostok, USSR | |
| | 41.27 | 50 | | Erevan, USSR | |
| | 41.27 | 35/100 | | Tanger (VOA), Morocco | |
| | 41.27 | 20/240 | | R. Peking, China | |
| | 41.27 | 1 | YDB3 | Djakarta, Indonesia | |
| | 41.27 | 20/10 | | R. Malaysia, Sarawak | |
| | 41.27 | 1.5 | BEC34 | Taipei, Taiwan | |
| 7275 | 41.24 | 100 | DMQ7 | Deutsche Welle, Germany | |
| | 41.24 | 50/60/100 | | R. Roma, Italy | |
| | 41.24 | 10 | | Lagos (NBC), Nigeria | |
| | 41.24 | 10/35 | | Colombo (VOA), Ceylon | |
| | 41.24 | 10/50 | | Karachi, Pakistan | |
| | 41.24 | 100 | | Poro (VOA), Philippines | |
| 7280 | 41.21 | 100 | | Allouis, France | |
| | 41.21 | 100 | | Komsomolsk, USSR | |
| | 41.21 | 250 | | Monrovia (VOA), Liberia | |
| | 41.21 | 10/0.25 | | Quelimane, Moçambique | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 7280 | 41.21 | 10 | | R. Tanzania, Tanzania | |
| | 41.21 | 20/240 | | R. Peking, China | |
| | 41.21 | 10 | | AIR Gauhati, India | |
| | 41.21 | 0.5 | DXH2 | Mindanao Bc, Philippines | |
| | 41.21 | 1.5 | BEC24 | Taipei, Taiwan | |
| 7285 | 41.18 | 10/100/250 | | R. Free Europe | |
| | 41.18 | 250 | | R. Liberty | |
| | 41.18 | 5/100 | | Warsaw, Poland | |
| | 41.18 | 50 | | Khabarovsk, USSR | |
| | 41.18 | 0.25 | CR6RP | Novo Redondo, Angola | |
| | 41.18 | 18 | | R. Mali, Mali | |
| | 41.18 | 10 | | Ibadan (NBC), Nigeria | |
| | 41.18 | 5 | JKI | Tokyo (NHK), Japan | |
| 7290 | 41.15 | 100 | DMQ7 | Deutsche Welle, Germany | |
| | 41.15 | 35 | | Thessaloniki, Greece | |
| | 41.15 | 50/60/100 | | R. Roma, Italy | |
| | 41.15 | 120 | | Moscow, USSR | |
| | 41.15 | 10 | | Addis Ababa, Ethiopia | |
| | 41.15 | 5 | | Kisumu, Kenya | |
| | 41.15 | 10/100 | VUD | AIR Delhi, India | |
| 7295 | 41.12 | 120 | | R. Tirana, Albania | |
| | 41.12 | 250 | | R. Liberty | |
| | 41.12 | 7.5/5 | | Athens, Greece | |
| | 41.12 | 50 | | Rhodes (VOA), Greece | |
| | 41.12 | 100 | | Trans World Radio, Monaco | |
| | 41.12 | 50 | | Krasnoyarsk, USSR | |
| | 41.12 | 10 | | Francistown, Botswana | |
| | 41.12 | 20 | | R. Mbuji-Mayi, Congo Democratic Republic | |
| | 41.12 | 1 | YDS2 | Menado, Indonesia | |
| 7300 | 41.09 | 5 | | R. Berlin Int, Germany | |
| | 41.09 | 50 | | Petrozavodsk, USSR | |
| | 41.09 | 20/240 | | R. Peking, China | |
| | 41.09 | 10 | | R. Malaysia, Malaysia | |
| 7305 | 41.07 | 50 | | Novosibirsk, USSR | |
| | 41.07 | 20/240 | | R. Peking, China | |
| | 41.07 | 2.5 | | Bangkok, Thailand | |
| 7306 | 41.06 | 0.35 | | Pathfinders St, Poland | |
| | | | | **7310-9500kHz** | |
| 7310 | 41.04 | 50 | | Sverdlovsk, USSR | |
| 7315 | 41.01 | 100/240 | | R. Peking, China | |
| 7320 | 40.98 | 100 | | Minsk, USSR | |
| 7323 | 40.97 | | | Lanchow, China | |
| 7325 | 40.96 | 15/100 | | BBC London, Gt. Britain | |
| | 40.96 | 50 | | Orsha, USSR | |
| 7330 | 40.93 | 50 | | Minsk, USSR | |
| 7335 | 40.94 | 120/240 | | R. Peking, China | |
| †7335 | 40.90 | 3 | | Dominion Observatory, Can. | |
| 7340 | 40.87 | 50 | | Krasnoyarsk, USSR | |
| | 40.87 | 50 | | Ulan Bator, Mongolia | |
| 7345 | 40.85 | 100 | | Praha, Czechoslovakia | |
| 7350 | 40.82 | 50 | | Minsk, USSR | |
| | 40.82 | 20/240 | | R. Peking, China | |
| 7360 | 40.76 | 100 | | Moscow, USSR | |
| 7370 | 40.71 | 120/240 | | R. Peking | |
| †7397 | 40.45 | 15 | GIC27 | Hailsham, Gt. Britain | |
| †7428 | 40.39 | 6 | FTH42 | Pontoise, France | |
| 7432 | 40.36 | 1 | YDR1 | Ambon, Indonesia | |
| 7435 | 40.35 | 20/240 | | R. Peking, China | |
| 7440 | 40.32 | 100 | | Moscow, USSR | |
| 7440 | 40.32 | 20/240 | | R. Peking, China | |
| 7443 | 40.31 | 25 | HBX37 | UN Geneva, Switzerland | |
| 7450 | 40.27 | 1.75 | | Istanbul, Turkey | |
| | 40.27 | 120/240 | | R. Peking, China | |
| 7475 | 40.13 | 100 | | Petropavlovsk, USSR | |
| 7480 | 40.11 | 20/240 | | R. Peking, China | |
| 7490 | 40.05 | 20/240 | | R. Peking, China | |
| 7500 | 40.00 | 120/240 | | R. Peking, China | |
| †7515 | 39.92 | 10 | VNG | Lyndhurst, Australia | |
| 7547 | 39.77 | | ZNX35 | Bridgetown, Bárbados | |
| 7580 | 39.22 | 20/240 | | R. Peking, China | |
| 7580 | 39.22 | 120/240 | | Pyongyang, Korea | |
| 7610 | 39.42 | 20/240 | | R. Peking, China | |
| 7620 | 39.37 | 20/240 | | R. Peking, China | |
| 7630 | 39.32 | 20/240 | | R. Peking, China | |
| 7650 | 39.33 | 1 | | Erzurum, Turkey | |
| | 39.33 | 1 | | Diyarbakir, Turkey | |
| 7660 | 39.16 | 20/240 | | R. Peking, China | |
| 7670 | 39.11 | 15 | | R. Sofia, Bulgaria | |
| 7700 | 38.96 | 20/240 | | R. Peking, China | |
| 7720 | 38.86 | 20/240 | | R. Peking, China | |
| 7770 | 38.61 | 20/240 | | R. Peking, China | |
| 7820 | 38.36 | 20/240 | | R. Peking, China | |
| 7880 | 38.07 | 4 | | R. Université, Malagasy Rep. | |
| 7883 | 38.06 | | | Lanchow, China | |
| 7888 | 38.04 | 0.4 | | R. Isfahan, Iran | |
| 7925 | 37.85 | 20/240 | | R. Peking, China | |
| 7947 | 37.75 | 20/240 | | R. Peking, China | |
| 7980 | 37.59 | 20/240 | | R. Peking, China | |
| 8000 | 37.50 | 0.2 | VSI35 | Grand Turk Islands | |
| †8150 | 36.81 | | NPN | Guam | |
| 8215 | 36.25 | 0.2 | | R. Shkodra, Albania | |
| 8195 | 36.61 | 20/240 | | Fukien, China | |
| 8245 | 36.39 | 20/240 | | R. Peking, China | |
| 8260 | 36.32 | 20/240 | | R. Peking, China | |
| 8270 | 36.28 | 20/240 | | R. Peking, China | |
| 8290 | 36.19 | 120/240 | | Pyongyang, Korea (Democratic Republic) | |
| 8300 | 36.15 | 20/240 | | R. Peking, China | |
| 8330 | 36.01 | 20/240 | | R. Peking, China | |
| 8345 | 35.95 | 20/240 | | R. Peking, China | |
| 8350 | 35.93 | 20/240 | | R. Peking, China | |
| 8400 | 35.71 | 20/240 | | R. Peking, China | |
| 8425 | 35.61 | 20/240 | | R. Peking, China | |
| 8440 | 35.55 | 20/240 | | R. Peking, China | |
| †8478 | 35.39 | 10 | VPH4 | Belconnen, Australia | |
| 8490 | 35.34 | 20/240 | | R. Peking, China | |
| †8558 | 35.06 | | CCV | Valparaiso, Chile | |
| 8565 | 35.03 | 20/240 | | R. Peking, China | |
| †8634 | 34.74 | | PPR | Rio de Janeiro, Brazil | |
| †8638 | 34.72 | 10 | DAM | Elmshorn, Germany | |
| †8721 | 34.40 | | PPE | Rio de Janeiro, Brazil | |
| 8747 | 34.30 | 20/240 | | R. Peking, China | |
| 8940 | 33.56 | 20/240 | | R. Peking, China | |
| 8965 | 33.46 | 20/240 | | R. Peking, China | |
| 9009 | 33.30 | 50/7.5 | 4XB31 | Tel Aviv, Israel | |
| 9020 | 33.26 | 20/240 | | R. Peking, China | |
| †9050 | 33.15 | | NPM | Honolulu, Hawaii | |
| 9065 | 33.09 | 20/240 | | R. Peking, China | |
| 9080 | 33.04 | 20/240 | | R. Peking, China | |
| 9170 | 32.72 | 20/240 | | R. Peking, China | |
| 9245 | 32.45 | 20/240 | | R. Peking, China | |
| 9250 | 32.43 | 15 | | Alma Ata, USSR | |
| †9277 | | | NPG | San Francisco, USA | |
| 9290 | 32.29 | 20/240 | | R. Peking, China | |
| 9340 | 32.12 | 20/240 | | R. Peking, China | |
| †9350 | 32.09 | | GIC29 | Hailsham, Gt. Britain | |
| 9360 | 32.05 | 50 | | R. Nacional, Spain | |
| 9365 | 32.03 | 120/240 | | R. Peking, China | |
| 9370 | 32.02 | 100 | | R. Nacional, Spain | |
| 9380 | 31.98 | 15 | | Alma Ata, USSR | |
| | 31.98 | 20/240 | | R. Peking, China | |
| 9385 | 31.97 | 20/240 | | R. Peking, China | |
| 9390 | 31.95 | 20/240 | | R. Peking, China | |
| 9395 | 31.93 | 120 | | R. Tirana, Albania | |
| 9400 | 31.91 | 20/240 | | R. Peking, China | |
| 9410 | 31.88 | 15/100 | | BBC London, Gt. Britain | |
| †9425 | 31.83 | | NSS | Annapolis, USA | |
| 9450 | 31.79 | 50/100 | | Cairo, Un. Arab Rep. | |
| 9457 | 31.77 | 240 | | R. Peking, China | |
| 9470 | 31.58 | 100 | | Moscow, USSR | |
| | 31.58 | 120/240 | | R. Peking, China | |
| 9475 | 31.66 | 50/100 | | Cairo, Un. Arab Rep. | |
| 9480 | 31.65 | 50 | | Komsomolsk, USSR | |
| | 31.65 | 120/240 | | R. Peking, China | |
| 9490 | 31.61 | 50 | | Baku, USSR | |
| | 31.61 | 120/240 | | R. Peking, China | |
| 9495 | 31.60 | 50/100 | | Cairo, Un. Arab Rep. | |
| 9498 | 31.59 | | | Sining, China | |
| | | | | **9500-9775kHz (31 metre band)** | |
| 9500 | 31.58 | 50/100 | | R. Berlin Int, Germany | |
| | 31.58 | 100 | | Magadan, USSR | |
| | 31.58 | 20/240 | | R. Peking, China | |
| | 31.58 | 1 | CE950 | Corp. Chilena Bc, Chile | |
| 9502a | 31.57 | | HISD | R. TV Dominica, Dom. Rep. | |
| 9504 | 31.56 | 1 | OAX8E | R. Loreto, Peru | |
| 9505 | 31.56 | 100 | | Praha, Czechoslovakia | |
| | 31.56 | 10/100/250 | | R. Free Europe | |
| | 31.56 | 50 | | R. Belgrade, Yugoslavia | |
| | 31.56 | 100 | | R. Japan, Japan | |
| | 31.56 | 50 | DZH7 | Call of the Orient, Philippines | |
| | 31.56 | 50 | HISD | R. TV Dominica, Dom. Rep. | |
| | 31.56 | 1 | CP64 | R. Universo, Bolivia | |
| | 31.56 | 7.5/50 | PRB22 | R. Record, Brazil | |
| | 31.56 | 0.2 | OAX6H | R. Tacna, Peru | |
| 9508 | 31.55 | 20 | | Omdurman, Sudan | |
| 9510 | 31.55 | 120 | | R. Tirana, Albania | |
| | 31.55 | 75 | | BBC London, Gt. Britain | |
| | 31.55 | 120 | | R. Bucharest, Rumania | |
| | 31.55 | 50 | | Alger, Algeria | |
| | 31.55 | 20/240 | | R. Peking, China | |
| | 31.55 | 5 | OAX4V | R. América, Peru | |
| | 31.55 | 10 | YVXJ | R. Barquisimeto, Venezuela | |
| 9515 | 31.53 | 5/25 | | Caltanisetta, Italy | |
| | 31.53 | 50 | | Krasnoyarsk, USSR | |
| | 31.53 | 100 | | Leningrad, USSR | |
| | 31.53 | 1 | CR6RM | Moçamedes, Angola | |
| | 31.53 | 30 | | Tananarive, Malagasy Rep. | |
| | 31.53 | 10 | | R. Malaysia, Malaysia | |
| | 31.53 | 10 | XEWW | Voz de la Am. Lat, Mexico | |
| | 31.53 | 10 | CXA71 | R. Sarandi, Uruguay | |
| 9520 | 31.51 | 50 | OZF5 | R. Denmark, Denmark | |
| | 31.51 | 250 | | R. Liberty | |
| | 31.51 | 100 | | Leningrad, USSR | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 9520 | 31.51 | 1/10/50 | | R. Kuwait, Kuwait | |
| | 31.51 | 10 | VLT9 | Port Moresby, N. Guinea | |
| | 31.51 | 7.5 | ZL18 | Wellington, New Zealand | |
| | 31.51 | 1 | CE952 | R. El Morro, Chile | |
| | 31.51 | 5 | OAX4J | R. La Crónica, Peru | |
| 9525 | 31.50 | 20/100 | OEI49 | Vienna, Austria | |
| | 31.50 | 100 | | Allouis, France | |
| | 31.50 | 15/100 | | BBC London, Gt. Britain | |
| | 31.50 | 50/100 | | R. Nederland, Holland | |
| | 31.50 | 5/100 | | Warsaw, Poland | |
| | 31.50 | 50 | | Kaunas, USSR | |
| | 31.50 | 30 | | Bangui, Central African Rep. | |
| | 31.50 | 250 | | R. South Africa, So. Africa | |
| | 31.50 | 100 | | R. Japan, Japan | |
| | 31.50 | 50/500 | | Greenville, USA | |
| | 31.50 | 120/240 | | R. Habana, Cuba | |
| 9530 | 31.48 | 50/100 | | R. Berlin Int, Germany | |
| | 31.48 | 120 | | Moscow, USSR | |
| | 31.48 | 35/100 | | Tanger (VOA), Morocco | |
| | 31.48 | 20 | | R. Tanzania, Tanzania | |
| | 31.48 | 10/100 | VUD | AIR Delhi, India | |
| | 31.48 | 100 | | R. Japan, Japan | |
| | 31.48 | 100 | | Amman, Jordan | |
| | 31.48 | 35 | | Poro (VOA), Philippines | |
| | 31.48 | 50/500 | | Greenville, USA | |
| | 31.48 | 0.3 | OAX6G | R. Nacional Tacna, Peru | |
| | 31.48 | 1 | YVMZ | Maracaibo, Venezuela | |
| 9535 | 31.46 | 250 | | Schwarzenburg, Switzerland | |
| | 31.46 | 50 | | Simferopol, USSR | |
| | 31.46 | 10 | CR6RZ | R. Angola, Angola | |
| | 31.46 | 20/10 | | R. Malaysia, Sarawak | |
| 9540 | 31.45 | 100 | | Munich (VOA), Germany | |
| | 31.45 | 35 | | Thessaloniki (VOA), Greece | |
| | 31.45 | 5/100 | | Warsaw, Poland | |
| | 31.45 | 50 | | Erevan, USSR | |
| | 31.45 | 50 | | Petropavlovsk, USSR | |
| | 31.45 | 20 | | Lubumbashi, Congo Democratic Republic | |
| | 31.45 | 20/240 | | R. Peking, China | |
| | 31.45 | 100 | | R. Australia, Australia | |
| | 31.45 | 7.5 | ZL2 | Wellington, New Zealand | |
| 9545 | 31.43 | 100 | DMQ9 | Deutsche Welle, Germany | |
| | 31.43 | 100/250 | | Accra, Ghana | |
| | 31.43 | 100 | | Beyrouth, Lebanon | |
| | 31.43 | 50 | | Ulan Bator, Mongolia | |
| | 31.43 | 35/100 | | Poro (VOA), Philippines | |
| | 31.43 | 0.25 | XEFT | La Voz de V. Cruz, Mexico | |
| | 31.43 | 200 | | Dixon, USA | |
| | 31.43 | 7.5 | ZYZ43 | R. Emis. Paranaense, Brazil | |
| | 31.43 | 0.5 | OAX4K | R. Central, Peru | |
| 9550 | 31.41 | 100/120 | LLD | R. Norway, Norway | |
| | 31.41 | 120 | | Moscow, USSR | |
| | 31.41 | 50/100 | | Cairo Un. Arab Rep. | |
| | 31.41 | 100 | | R. Tanzania, Tanzania | |
| | 31.41 | 10 | | R. Tanzania, Zanzibar | |
| | 31.41 | 20/240 | | R. Peking, China | |
| | 31.41 | 7.5 | YDQ2 | Makassar, Indonesia | |
| | 31.41 | 120/240 | | R. Havana, Cuba | |
| | 31.41 | 1 | YNTZ | R. Jinotega, Nicaragua | |
| | 31.41 | 5 | | Grenada, Windward Isl. | |
| | 31.41 | 1 | CE955 | R. Valentin Letelier, Chile | |
| | 31.41 | 5 | HCRM2 | R. Universal, Ecuador | |
| | 31.41 | 1 | OAX1Z | R. Nacional Tumbes, Peru | |
| 9552 | 31.41 | 15 | | Maldive Isl. Bc. Sce. Mal. Isl. | |
| 9555 | 31.40 | 15/100 | OIX2 | Pori, Finland | |
| | 31.40 | 100 | | R. Liberty | |
| | 31.40 | 50/75 | | BBC London, Gt. Britain | |
| | 31.40 | 10 | | BBC Monrovia, Liberia | |
| | 31.40 | 50 | | Baghdad, Iraq | |
| | 31.40 | 35/100 | | Poro (VOA), Philippines | |
| | 31.40 | 50 | | Damascus, Syria | |
| | 31.40 | 5 | YSS | R. Nacional, El Salvador | |
| | 31.40 | 1 | XEQK | La Hora Exacta, Mexico | |
| | 31.40 | 10 | CP6 | R. Emis. del Estado, Bolivia | |
| 9560 | 31.38 | 50 | | R. Sofia, Bulgaria | |
| | 31.38 | 100 | | Praha, Czechoslovakia | |
| | 31.38 | 100 | | Allouis, France | |
| | 31.38 | 50/100 | | R. Berlin Int, Germany | |
| | 31.38 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 31.38 | 100 | | Amman, Jordan | |
| | 31.38 | 100 | | R. Japan, Japan | |
| | 31.38 | 35/100 | | Poro (VOA), Philippines | |
| | 31.38 | 50 | | R. Australia, Australia | |
| | 31.38 | 500 | | Greenville, USA | |
| | 31.38 | 10 | CE956 | R. Portales, Chile | |
| 9562 | 31.37 | 50 | OAX4R | R. Nacional Lima, Peru | |
| 9565 | 31.36 | 10/100/250 | | R. Free Europe | |
| | 31.36 | 100 | DMQ9 | Deutsche Welle, Germany | |
| | 31.36 | 250 | | Woofferton (VOA), Gt. Bri. | |
| | 31.36 | 100 | | Tripoli, Libya | |
| | 31.36 | 250 | | Kigali (DW), Rwanda | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 9565 | 31.36 | 20/10 | | R. Malaysia, Sarawak | |
| | 31.36 | 200 | | Delano, USA | |
| | 31.36 | 110 | | Bethany, USA | |
| | 31.36 | 15 | ZYK3 | R. Jornal do Comercio, Br. | |
| 9570 | 31.35 | 100 | | Allouis, France | |
| | 31.35 | 15/100 | | BBC London, Gt. Britain | |
| | 31.35 | 5/100 | | Warsaw, Poland | |
| | 31.35 | 120 | | R. Bucharest, Rumania | |
| | 31.35 | 100 | | R. Nacional, Spain | |
| | 31.35 | 100 | | Riazan, USSR | |
| | 31.35 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 31.35 | 100 | | H. F. Verwoerd Stn, So. Af. | |
| | 31.35 | 20 | | Lusaka, Zambia | |
| | 31.35 | 20/240 | | R. Peking, China | |
| | 31.35 | 7.5/100 | | BBC, Malaysia | |
| | 31.35 | 50 | | R. Australia, Australia | |
| | 31.35 | 1 | YVOM | R. San Cristóbal, Venezuela | |
| 9575 | 31.33 | 100 | | Praha, Czechoslovakia | |
| | 31.33 | 50/60/100 | | R. Roma, Italy | |
| | 31.33 | 100 | | Trans World Radio, Monaco | |
| | 31.33 | 10/100 | VUD | AIR Delhi, India | |
| | 31.33 | 50 | | Ulan Bator, Mongolia | |
| | 31.33 | 10 | ZYZ27 | R. Mayrink Veiga, Brazil | |
| 9580 | 31.32 | 75 | | BBC London, Gt. Britain | |
| | 31.32 | 50 | | Kazan, USSR | |
| | 31.32 | 250 | | BBC, Ascencion Isl. | |
| | 31.32 | 7.5/100 | | BBC, Malaysia | |
| | 31.32 | 100 | | R. Australia, Australia | |
| | 31.32 | 0.5 | YNTP | R. Mar, Nicaragua | |
| 9585 | 31.30 | 100 | OIX2 | Pori, Finland | |
| | 31.30 | 100 | | Allouis, France | |
| | 31.30 | 50/100 | | R. Nacional, Portugal | |
| | 31.30 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 31.30 | 50/200 | | Dixon, USA | |
| | a31.30 | | YNTP | R. El Mar, Nicaragua | |
| | 31.30 | 50 | ZYR56 | R. Exelsior, Brazil | |
| | 31.30 | 0.5 | OBX4K | R. Selecta, Peru | |
| 9590 | 31.28 | 50/100 | | R. Nederland, Holland | |
| | 31.28 | 120 | | R. Bucharest, Rumania | |
| | 31.28 | 100 | | Schwarzenburg, Switzerland | |
| | 31.28 | 50 | | Starobelsk, USSR | |
| | 31.28 | 50 | | Omsk, USSR | |
| | 31.28 | 0.4 | | R. Botswana, Botswana | |
| | 31.28 | 10 | | Mogadiscio, Somali Rep. | |
| | 31.28 | 20/240 | | R. Peking, China | |
| | 31.28 | 500 | | Greenville, USA | |
| | 31.28 | 0.2 | OAX5C | R. Ica, Peru | |
| 9595 | 31.27 | 10/100/250 | | R. Free Europe | |
| | 31.27 | 100 | | Schwarzenburg, Switzerland | |
| | 31.27 | 50 | JOZ3 | Tokyo, Japan | |
| | 31.27 | 20 | ZYN29 | R. Cult. da Bahia, Brazil | |
| | 31.27 | 10 | CXA72 | R. Monte Carlo, Uruguay | |
| 9600 | 31.25 | 50/100 | | R. Berlin Int, Germany | |
| | 31.25 | 75 | | BBC London, Gt. Britain | |
| | 31.25 | 50 | | Tashkent, USSR | |
| | 31.25 | 100 | | Moscow, USSR | |
| | 31.25 | 250 | | BBC, Ascencion Isl. | |
| | 31.25 | 7.5/100 | | BBC, Cyprus | |
| | 31.25 | 10/100 | VUD | AIR Delhi, India | |
| | 31.25 | 100 | | R. Australia, Australia | |
| | 31.25 | 1 | XEYU | Universidad Nac, Mexico | |
| | 31.25 | 1 | CE960 | R. Pres. Balmaceda, Chile | |
| | 31.25 | 0.5 | OAX3E | R. Huaráz, Peru | |
| | 31.25 | 0.45 | OAX1R | R. Talara, Peru | |
| 9605 | 31.23 | 100 | DMQ9 | Deutsche Welle, Germany | |
| | 31.23 | 10/100/250 | | R. Free Europe | |
| | 31.23 | 7.5/5 | | Athens, Greece | |
| | 31.23 | 50 | | Serpukhov, USSR | |
| | 31.23 | 25/100 | | Vatican Radio | |
| | 31.23 | 20/240 | | R. Peking, China | |
| | 31.23 | 20 | | Damascus, Syria | |
| | 31.23 | 200 | | R. Japan, Japan | |
| | 31.23 | 50 | | TWR Bonaire, N. Antilles | |
| 9610 | 31.22 | 100 | | Vienna, Austria | |
| | 31.22 | 100 | DMQ9 | Deutsche Welle, Germany | |
| | 31.22 | 20/50 | | R. Liberty | |
| | 31.22 | 120 | LLG | R. Norway, Norway | |
| | 31.22 | 50 | | Khabarovsk, USSR | |
| | 31.22 | 50 | | R. TV Congolaise, Congo | |
| | 31.22 | 10 | | Addis Ababa, Ethiopia | |
| | 31.22 | 30 | | R. Mauritania, Mauritania | |
| | 31.22 | 10/50 | VLW/X9 | Perth, Australia | |
| | 31.22 | 10 | ZYC8 | R. Tamoio, Brazil | |
| | 31.22 | 1 | OAX8C | R. Nacional Iquitos, Peru | |
| 9615 | 31.20 | 100 | ORU4 | Wavre, Belgium | |
| | 31.20 | 1 | CR6RI | R. Diamang, Angola | |
| | 31.20 | 30 | | Fort Lamy, Chad | |
| | 31.20 | 100 | | Sebaa Aioun, Morocco | |
| | 31.20 | 100 | | Tanger (VOA), Morocco | |
| | 31.20 | 10/100 | VUD | AIR Delhi, India | |
| | 31.20 | 50 | | Malolos (VOA), Philippines | |
| | 31.20 | 50/100 | WNYW | R. New York, USA | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 9615 | 31.20 | 3 | TIRICA | Voz de la Victor, Costa Rica | |
| 9618 | 31.19 | 0.4 | OBX7E | R. El Sol, Peru | |
| 9620 | 31.19 | 100 | | Allouis, France | |
| | 31.19 | 50 | | Moscow, USSR | |
| | 31.19 | 50 | | R. Belgrade, Yugoslavia | |
| | 31.19 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 31.19 | 20/240 | | R. Peking, China | |
| | 31.19 | 200/50 | | Siagon, Vietnam | |
| | 31.19 | 10 | ZYR96 | R. 9 de Julho, Brazil | |
| | 31.19 | 20 | CXA6 | S.O.D.R.E, Uruguay | |
| 9625 | 31.17 | 75 | | BBC London, Gt. Britain | |
| | 31.17 | 100 | | Hörby, Sweden | |
| | 31.17 | 120 | | Moscow, USSR | |
| | 31.17 | 7.5/100 | | BBC, Cyprus | |
| | 31.17 | 100 | 4XB51 | Tel Aviv, Israel | |
| | 31.17 | 50 | | R. Canada, Canada | |
| | 31.17 | 1 | OAX8K | R. Atlántida, Peru | |
| 9630 | 31.15 | 100 | | Praha, Czechoslovakia | |
| | 31.15 | 50/100 | | R. Nacional, Portugal | |
| | 31.15 | 50 | | Serpukhov, USSR | |
| | 31.15 | 25/100 | | Vatican Radio | |
| | 31.15 | 1 | CR6RL | R. Cl. de Angola, Angola | |
| | 31.15 | 10/100 | VUD | AIR Delhi, India | |
| | 31.15 | 50 | DZU5 | Damaguete City, Philippines | |
| | 31.15 | 3 | BED33 | Chiayi (BCC), Taiwan | |
| 9635 | 31.14 | 75 | | BBC London, Gt. Britain | |
| | 31.14 | 50 | | Vladivostok, USSR | |
| | 31.14 | 7.5/100 | | BBC, Cyprus | |
| | 31.14 | 50 | | Baghdad, Iraq | |
| | 31.14 | 50 | | R. Singapura, Singapore | |
| | 31.14 | 50/500 | | Greenville, USA | |
| | 31.14 | 0.25 | 4VU | R. Lumière, Haiti | |
| | 31.14 | 7.5 | ZYR83 | R. Aparecida, Brazil | |
| | 31.14 | 25 | HJZM | R. Nacional, Colombia | |
| | 31.14 | 1 | OCX4K | R. Expreso, Peru | |
| 9640 | 31.12 | 100 | DMQ9 | Deutsche Welle, Germany | |
| | 31.12 | 75 | | BBC London, Gt. Britain | |
| | 31.12 | 50 | | Erevan, USSR | |
| | 31.12 | 20/120 | | Moscow, USSR | |
| | 31.12 | 50 | | Vladivostok, USSR | |
| | 31.12 | 50 | | Seoul, Korea | |
| | 31.12 | 250 | | Greenville, USA | |
| | 31.12 | 2.5 | YVPG | Ecos del Torbes, Venezuela | |
| | 31.12 | 10 | YVSC | R. Nacional, Venezuela | |
| 9645 | 31.10 | 10 | LLH | R. Norway, Norway | |
| | 31.10 | 50 | | Khabarovsk, USSR | |
| | 31.10 | 25/100 | | Vatican Radio | |
| | 31.10 | 10/50 | | Karachi, Pakistan | |
| | 31.10 | 2 | TIFC | Faro del Caribe, C. Rica | |
| | 31.10 | 7.5 | ZYV40 | R. Cultura de Poços, Brazil | |
| | 31.10 | 30 | HCJB | La Voz de los Andes, Ec. | |
| | 31.10 | 0.5 | OAX1T | R. Grau, Peru | |
| 9650 | 31.09 | 50/100 | | R. Berlin Int, Germany | |
| | 31.09 | 15/100 | | BBC London, Gt. Britain | |
| | 31.09 | 100 | | Moscow, USSR | |
| | 31.09 | 50 | | Conakry, Guinea Rep. | |
| | 31.09 | 20/250 | | R. South Africa. So. Africa | |
| | 31.09 | 20/240 | | R. Peking, China | |
| | 31.09 | 7.5/100 | | BBC, Cyprus | |
| | 31.09 | 50/500 | | Greenville, USA | |
| | 31.09 | 1 | CE965 | R. Yungay, Chile | |
| 9655 | 31.07 | 100 | DMQ9 | Deutsche Welle, Germany | |
| | 31.07 | 10/100/250 | | R. Free Europe | |
| | 31.07 | 100 | | Minsk, USSR | |
| | 31.07 | 10 | | Kaduna (NBC), Nigeria | |
| | 31.07 | 5 | JKH2 | Tokyo, Japan | |
| | 31.07 | 35/100 | | Poro (VOA), Philippines | |
| | 31.07 | 10 | BED91 | Taipei (BCC), Taiwan | |
| | 31.07 | 120/240 | | R. Habana, Cuba | |
| | 31.07 | 1 | OAX9G | R. Nor Peruana, Peru | |
| 9660 | 31.06 | 50 | | R. Sofia, Bulgaria | |
| | 31.06 | 500 | | R. Liberty | |
| | 31.06 | 15/100 | | BBC London, Gt. Britain | |
| | 31.06 | 35 | | Thessaloniki (VOA), Greece | |
| | 31.06 | | | Petropavlovsk, USSR | |
| | 31.06 | 1 | CR6RD | Nova Lisboa, Angola | |
| | 31.06 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 31.06 | 250 | | Monrovia (VOA), Liberia | |
| | 31.06 | 20/240 | | R. Peking, China | |
| | 31.06 | 35 | BED42 | Taipei (BCC), Taiwan | |
| | 31.06 | 10 | VLQ9 | Brisbane, Australia | |
| 9665 | 31.04 | 100 | | Schwarzenburg, Switzerland | |
| | 31.04 | 50 | | Omsk, USSR | |
| | 31.04 | 20/240 | | R. Peking, China | |
| | 31.04 | 10 | | R. Nac. Brasilia, Brazil | |
| | 31.04 | 1 | OAX8U | R. Eco, Peru | |
| 9668 | 31.03 | 5 | TGNB | R. Cultural, Guatemala | |
| 9670 | 31.02 | 15/100 | | BBC London, Gt. Britain | |
| | 31.02 | 20 | | Irkutsk, USSR | |
| | 31.02 | 100 | | R. Japan, Japan | |
| | 31.02 | 50 | | Jeddah, Suadi Arabia | |
| | 31.02 | 5 | | Hué, Vietnam | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 9670 | 31.02 | 500 | | Greenville, USA | |
| 9675 | 31.01 | 15/100 | | BBC London, Gt. Britain | |
| | 31.01 | 5/100 | | Warsaw, Poland | |
| | 31.01 | 120 | | Voronej, USSR | |
| | 31.01 | 1 | CR6SG | R. Cl. de Huila, Angola | |
| | 31.01 | 100 | | R. Japan, Japan | |
| | 31.01 | 10 | ZYT29 | R. Diário da Manha, Brazil | |
| | 31.01 | 7.5 | OAZ4I | R. del Pacifico, Peru | |
| 9680 | 30.99 | 50 | | R. Liberty | |
| | 30.99 | 50/100 | | R. Nacional, Portugal | |
| | 30.99 | 20 | | Paradys, So. Africa | |
| | 30.99 | 10/100 | VUD | AIR Delhi, India | |
| | 30.99 | 10 | VLH/R9 | Melbourne, Australia | |
| 9685 | 30.98 | 120 | | Moscow, USSR | |
| | 30.98 | 50 | | Alger, Algeria | |
| | 30.98 | 25 | BED73 | Taipei (BCC), Taiwan | |
| | 30.98 | 1 | HOF31 | Onda Popular, Panama | |
| | 30.98 | 7.5 | ZYR227 | R. Gazeta, Brazil | |
| 9690 | 30.96 | 75 | | BBC London, Gt. Britain | |
| | 30.96 | 25/100 | | Vatican Radio | |
| | 30.96 | 30 | | R. Gabon, Gabon | |
| | 30.96 | 30 | | Tananarive, Malagasy Rep. | |
| | 30.96 | 10 | | Lagos (NBC), Nigeria | |
| | 30.96 | 20/240 | | R. Peking, China | |
| | 30.96 | 7.5/100 | | BBC, Cyprus | |
| | 30.96 | 10/100 | VUD | AIR Delhi, India | |
| | 30.96 | 0.25 | DZH5 | R. Veritas, Philippines | |
| | 30.96 | 10 | BED22 | Taipei (BCC), Taiwan | |
| | 30.96 | 50/260 | | TWR Bonaire, Neth. Antilles | |
| | 30.96 | 100 | LRA32 | R. Nacional, Argentina | |
| 9695 | 30.94 | 10/100/250 | | R. Free Europe | |
| | 30.94 | 100 | | Schwarzenburg, Switzerland | |
| | 30.94 | 50 | | R. Cambodge, Cambodia | |
| | 30.94 | 0.25 | ZK3 | Rarotonga, Cook Islands | |
| | 30.94 | 50/500 | | Greenville, USA | |
| | 30.94 | 7.5 | ZYB22 | R. Rio Mar, Brazil | |
| | 30.94 | 1 | OCX4Y | R. Continente, Peru | |
| 9700 | 30.93 | 120 | | R. Sofia, Bulgaria | |
| | 30.93 | 100 | | Lvov, USSR | |
| | 30.93 | 100 | | R. Japan, Japan | |
| | 30.93 | 100 | | Delano, USA | |
| | 30.93 | 1 | CE970 | La Voz de Chile, Chile | |
| 9705 | 30.91 | 10/100/250 | | R. Free Europe | |
| | 30.91 | 100 | | Hörby, Sweden | |
| | 30.91 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 30.91 | 30 | | R. Niger, Niger | |
| | 30.91 | 250 | | R. South Africa, So. Africa | |
| | 30.91 | 10/100 | VUD | AIR Delhi, India | |
| | 30.91 | 100 | | R. Japan, Japan | |
| | 30.91 | 10 | ZYZ24 | R. Maua, Brazil | |
| 9710 | 30.90 | 35 | | Thessaloniki, Greece | |
| | 30.90 | 50/60/100 | | R. Roma, Italy | |
| | 30.90 | 50 | | Kiev, USSR | |
| | 30.90 | 10 | | Forest Side, Mauritius | |
| | 30.90 | 20/240 | | R. Peking, China | |
| | 30.90 | 50 | | R. Malaysia, Malaysia | |
| | 30.90 | 50 | | TWR Bonaire, N. Antilles | |
| | 30.90 | 6 | LRX2 | R. El Mundo, Argentina | |
| | 30.90 | 1 | OAX9D | R. Tropical, Peru | |
| 9715 | 30.88 | 10/100/250 | | R. Free Europe | |
| | 30.88 | 250 | | Woofferton (VOA), Gt. Bri. | |
| | 30.88 | 50/100 | | R. Nederland, Holland | |
| | 30.88 | 100 | | Orenburg, USSR | |
| | 30.88 | 50 | | R. TV Congolaise, Congo | |
| | 30.88 | 7.5/100 | | BBC, Cyprus | |
| | 30.88 | 10/2 | DZF5 | Call of the Orient, Philippines | |
| | 30.88 | 50 | | R. St. KGEI, USA | |
| | 30.88 | 1 | CP21 | R. La Plata, Bolivia | |
| 9720 | 30.86 | 120 | | Riazan, USSR | |
| | 30.86 | 10/25 | | Dakar, Senegal | |
| | 30.86 | 20/250 | | R. South Africa, So. Africa | |
| | 30.86 | 10 | | Colombo, Ceylon | |
| | 30.86 | 50 | | Riyadh, Saudi Arabia | |
| | 30.86 | 0.2 | | Nhatrang, Vietnam | |
| | 30.86 | 50 | PRL8 | R. Nacional, Brazil | |
| | 30.86 | 1 | OCX4C | R. Victoria, Peru | |
| 9725 | 30.85 | 10/100/250 | | R. Free Europe | |
| | 30.85 | 15/100 | | BBC London, Gt. Britain | |
| | 30.85 | 50 | | Irkutsk, USSR | |
| | 30.85 | 100 | 4XB51 | Tel Aviv, Israel | |
| | 30.85 | 7.5/100 | | BBC, Malaysia | |
| | 30.85 | 50 | | Greenville, USA | |
| 9730 | 30.83 | 50 | | R. Berlin Int, Germany | |
| | 30.83 | 50/100 | | R. Nederland, Holland | |
| | 30.83 | 50 | | Tula, USSR | |
| | 30.83 | 15 | | R. Brazzaville, Congo | |
| | 30.83 | 20/240 | | R. Peking, China | |
| | 30.83 | 7.5 | ZYU59 | R. Farroupilha, Brazil | |
| 9735 | 30.82 | 100 | DMQ9 | Deutsche Welle, Germany | |
| | 30.82 | 75 | | BBC London, Gt. Britain | |
| | 30.82 | 50 | | Nikolaievsk, USSR | |
| | 30.82 | 250 | | Kigali (DW), Rwanda | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 9740 | 30.80 | 20/100 | ORU3/5 | Wavre, Belgium | |
| | 30.80 | 250 | | Woofferton (VOA), Gt. Brit. | |
| | 30.80 | 50 | | Erevan, USSR | |
| | 30.80 | 120 | | Moscow, USSR | |
| | 30.80 | 100 | | Vilnius, USSR | |
| | 30.80 | 10/100 | VUD | AIR Delhi, India | |
| | 30.80 | 100 | | Amman, Jordan | |
| | 30.80 | 7.5/100 | APD2 | Dacca, Pakistan | |
| | 30.80 | 50/200 | | Dixon, USA | |
| | 30.80 | 10 | LKS1 | R. Splendid, Argentina | |
| | 30.80 | 10 | OCY4F | R. Los Andes, Peru | |
| 9745 | 30.78 | 50/100 | | R. Nederland, Holland | |
| | 30.78 | 50 | | Erevan, USSR | |
| | 30.78 | 100 | | Moscow, USSR | |
| | 30.78 | 50 | | R. Mali, Mali | |
| | 30.78 | 10 | 8FW30 | Sukarnopura, Indonesia | |
| | 30.78 | 3.5 | BEC62 | Air Force St, Taiwan | |
| | 30.78 | 20 | TAP | R. Ankara, Turkey | |
| | 30.78 | 7.5 | ZYR57 | R. Cultura, Brazil | |
| | 30.78 | 1/30 | HCJB | La Voz de los Andes, Ecuad. | |
| 9750 | 30.77 | 50 | | R. Liberty | |
| | 30.77 | 50 | | Vladivostok, USSR | |
| | 30.77 | 50/250 | | Monrovia (VOA), Liberia | |
| | 30.77 | 10/50 | | Karachi, Pakistan | |
| | 30.77 | 5 | CE975 | Soc. Nac. Mineria, Chile | |
| | 30.77 | 2.1 | OAX8W | R. Sideral, Peru | |
| | 30.77 | 1 | YVOS | R. Tovar, Venezuela | |
| 9752 | 30.77 | 5 | PZC | R. Suriname, Surinam | |
| 9755 | 30.75 | 100 | | Allouis, France | |
| | 30.75 | 50/100 | | R. Nederland, Holland | |
| | 30.75 | 5/135 | | R. Budapest, Hungary | |
| | 30.75 | 20/240 | | R. Peking, China | |
| | 30.75 | 10/50 | | Karachi, Pakistan | |
| | 30.75 | 10 | | Saigon, Vietnam | |
| | 30.75 | 1 | ZYW23 | R. Anhanguera, Brazil | |
| | 30.75 | 7.5 | | R. Brasil, Central Brazil | |
| | 30.75 | 2.1 | OAX8W | R. Sideral, Peru | |
| 9760 | 30.74 | 100 | | Munich (VOA), Germany | |
| | 30.74 | 15/100 | | BBC London, Gt. Britain | |
| | 30.74 | 20 | | R. Nacional, Spain | |
| | 30.74 | 100 | | Ivanofrankovsk, USSR | |
| | 30.74 | 100/250 | | Accra, Ghana | |
| | 30.74 | 0.3 | | Diyarbakir, Turkey | |
| | 30.74 | | | Hanoi, Vietnam | |
| | 30.74 | 10 | TGWA | La Voz de Guatemala | |
| | 30.74 | 1 | OAX6D | R. Continental, Peru | |
| 9765 | 30.72 | 100 | DMQ9 | Deutsche Welle, Germany | |
| | 30.72 | 75 | | BBC London, Gt. Britain | |
| | 30.72 | 100 | | Leningrad, USSR | |
| | 30.72 | 20/240 | | R. Peking, China | |
| | 30.72 | 10/100 | VUD | AIR Delhi, India | |
| | 30.72 | 100 | | R. Japan, Japan | |
| | 30.72 | 50 | BED66 | Taipei (BCC), Taiwan | |
| 9770 | 30.71 | 100 | OEI47 | Vienna, Austria | |
| | 30.71 | 75 | | BBC London, Gt. Britain | |
| | 30.71 | 100 | | Vladivostok, USSR | |
| | 30.71 | 20 | | Djakarta, Indonesia | |
| | 30.71 | 0.3 | | Iskenderun, Turkey | |
| | 30.71 | 50 | | Greenville, USA | |
| | 30.71 | 0.35 | 4VEH | R. St. 4VEH, Haiti | |
| | 30.71 | 7.5 | PRL4 | R. Min. Educacão, Brazil | |
| | 30.71 | 1 | OAX8O | R. Amazonas, Peru | |
| | | | | **9775-11700kHz** | |
| 9775 | 30.69 | 10 | | Kinshasa, Congo Dem. Rep. | |
| 9780 | 30.69 | 20/240 | | R. Peking, China | |
| 9785 | 30.66 | 50 | | Erevan, USSR | |
| | 30.66 | 50 | | Jigulevsk, USSR | |
| 9790 | 30.66 | 20/240 | | R. Peking, China | |
| 9795 | 30.63 | 100 | | Praha, Czechoslovakia | |
| 9800 | 30.61 | 50 | | Kazan, USSR | |
| | 30.61 | 20/240 | | R. Peking, China | |
| 9810 | 30.58 | 50 | | Moscow, USSR | |
| 9825 | 30.53 | 15/100 | | BBC London, Gt. Britain | |
| 9833 | 30.51 | 5/135 | | R. Budapest, Hungary | |
| 9840 | 30.49 | 50 | | Baku, USSR | |
| | 30.49 | 20 | | Deragawa (VUNC), Ryuku Isl. | |
| | 30.49 | | | Hanoi, Vietnam (Dem. Rep.) | |
| 9860 | 30.43 | 240 | | R. Peking, China | |
| 9865 | 30.40 | 50 | YDF6 | Djakarta, Indonesia | |
| 9870 | 30.40 | 20/240 | | R. Peking, China | |
| 9880 | 30.36 | 20/240 | | R. Peking, China | |
| 9900 | 30.30 | 120/240 | | R. Peking, China | |
| 9905 | 30.29 | 50 | | Khabarovsk, USSR | |
| 9912 | 30.27 | 10/100 | VUD | AIR Delhi, India | |
| 9915 | 30.26 | 15/100 | | BBC London, Gt. Britain | |
| 9920 | 30.24 | 120/240 | | R. Peking, China | |
| 9945 | 30.17 | 20/240 | | R. Peking, China | |
| 9955 | 30.14 | 20/240 | | R. Peking, China | |
| 9965 | 30.11 | 20/240 | | R. Peking, China | |
| 9972 | 30.08 | 20/240 | | R. Peking, China | |
| 9985 | 30.05 | 20/240 | | R. Peking, China | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 9990 | 30.03 | | | Kunming, China | |
| *10000 | 30.00 | 0.5 | MSF | Teddington, Gt. Britain | |
| * | 30.00 | 20 | RWM | Moscow, USSR | |
| † | 30.00 | 0.25 | ZUO | Johannesburg, So. Africa | |
| * | 30.00 | | BVP | Peking, China | |
| * | 30.00 | 2 | ATA | New Delhi, India | |
| * | 30.00 | 2 | JJY | Tokyo, Japan | |
| * | 30.00 | 2 | WWVH | Puunene, Hawaii | |
| * | 30.00 | 10 | WWH | Lanham, USA | |
| † | 30.00 | 2 | LOL | Buenos Aires, Argentina | |
| 10180 | 29.47 | 20/240 | | R. Peking, China | |
| 10220 | 29.25 | 20 | PSH | Agencia Nacional, Brazil | |
| 10260 | 29.24 | 20/240 | | R. Peking, China | |
| †10331 | 29.05 | 15 | GPB30B | Hailsham, Gt. Britain | |
| †10332 | 29.04 | 15 | GBP30A | Hailsham, Gt. Britain | |
| 10330 | 28.50 | | | Alma Ata, USSR | |
| †10775 | 27.84 | 6 | FTK77 | Pontoise, France | |
| 10865 | 27.61 | 20/240 | | R. Peking, China | |
| 11015 | 27.25 | | ZNX49 | Bridgetown, Barbados | |
| 11040 | 27.17 | | | Huhehot, Inner Mongolia | |
| †11080 | | | NBA | Canal Zone, Panama | |
| 11100 | 27.03 | 20/240 | | R. Peking, China | |
| 11130 | 26.95 | 20/240 | | R. Peking, China | |
| 11290 | 26.57 | 20/240 | | R. Peking, China | |
| 11330 | 26.48 | 20/240 | | R. Peking, China | |
| 11445 | 26.21 | 120/240 | | R. Peking, China | |
| 11455 | 26.19 | 20/240 | | R. Peking, China | |
| 11505 | 26.08 | 120/240 | | R. Peking, China | |
| 11515 | 26.05 | 20/240 | | R. Peking, China | |
| 11570 | 25.93 | 50 | | Moscow, USSR | |
| 11600 | 25.86 | 20/240 | | R. Peking, China | |
| 11610 | 25.84 | 20/240 | | R. Peking, China | |
| 11620 | 25.82 | 20/240 | | R. Peking, China | |
| | 25.82 | 10/100 | VUD | AIR Delhi, India | |
| 11630 | 25.80 | 20/240 | | R. Peking, China | |
| 11640 | 25.77 | 5 | | R. Somali, Somalia | |
| 11650 | 25.75 | 20/240 | | R. Peking, China | |
| 11655 | 25.74 | 50/100 | | Cairo, Un. Arab Rep. | |
| 11657 | 25.74 | 20/240 | | R. Peking, China | |
| 11672 | 25.70 | 10/50 | | Karachi, Pakistan | |
| 11675 | 25.70 | 120/240 | | R. Peking, China | |
| 11680 | 25.68 | 15/100 | | BBC London, Gt. Britain | |
| 11685 | 25.67 | 1 | CR6RR | R. Diamang, Angola | |
| | 25.67 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 25.67 | 20/240 | | R. Peking, China | |
| 11690 | 25.66 | 50 | | Erevan, USSR | |
| | 25.66 | 240 | | R. Peking, China | |
| 11695 | 25.65 | 50 | | Tashkent, USSR | |
| | 25.65 | 20/240 | | R. Peking, China | |
| | | | | **11700-11975kHz (25 metre band)** | |
| 11700 | 25.64 | 50/100 | | Leningrad, USSR | |
| | 25.64 | 120 | | Serpukhov, USSR | |
| | 25.64 | 0.5 | TGQB | R. Nac. de Quezaltenango, Guatemala | |
| 11705 | 25.63 | 10/100/250 | | R. Free Europe | |
| | 25.63 | 250 | | Woofferton (VOA), Gt. Brit. | |
| | 25.63 | 100 | | Hörby, Sweden | |
| | 25.63 | 120 | | Serpukhov, USSR | |
| | 25.63 | 25/100 | | Vatican Radio | |
| | 25.63 | 100 | | R. Iran, Iran | |
| | 25.63 | 100 | | R. Japan, Japan | |
| 11710 | 25.62 | 250 | | Woofferton (VOA), Gt. Brit. | |
| | 25.62 | 50/100 | | R. Nederland, Holland | |
| | 25.62 | 100 | | R. Nacional, Spain | |
| | 25.62 | 100 | | Vilnius, USSR | |
| | 25.62 | 50 | | R. Brazzaville, Congo | |
| | 25.62 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.62 | 35/100 | | Tanger (VOA), Morocco | |
| | 25.62 | 10/100 | VUD | AIR Delhi, India | |
| | 25.62 | 100/10 | | R. Australia, Australia | |
| | 25.62 | 50 | | R. St. KGEI, USA | |
| | 25.62 | 100 | LRA35 | R. Nacional, Argentina | |
| 11715 | 25.61 | 20/100 | ORU3/5 | Wavre, Belgium | |
| | 25.61 | 100 | | Schwarzenburg, Switzerland | |
| | 25.61 | 50 | | Dushanbé, USSR | |
| | 25.61 | 100 | | Alger, Algeria | |
| | 25.61 | 20/240 | | R. Peking, China | |
| | 25.61 | 10/100 | VUD | AIR Delhi, India | |
| | 25.61 | 50 | | Malolos (VOA), Philippines | |
| | 25.61 | 100 | | Okinawa (VOA), Ryuku Isl. | |
| | 25.61 | 50/260 | | TWR Bonaire, Neth. Antilles | |
| | 25.61 | 50 | | R. Canada, Canada | |
| 11720 | 25.60 | 15/100 | | BBC London, Gt. Britain | |
| | 25.60 | 7.5/5 | | Athens, Greece | |
| | 25.60 | 100 | | Trans World Radio, Monaco | |
| | 25.60 | 50 | | Sverdlovsk, USSR | |
| | 25.60 | 20/240 | | R. Peking, China | |
| | 25.60 | 7.5/100 | | BBC, Cyprus | |
| | 25.60 | 50 | | R. Canada, Canada | |
| | 25.60 | 10 | | R. Nacional Brasilia, Brazil | |
| 11725 | 25.59 | 10/100/250 | | R. Free Europe | |
| | 25.59 | 20/50 | | R. Liberty | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 11725 | 25.59 | 5/100 | | Warsaw, Poland | |
| | 25.59 | 50 | | R. Brazzaville, Congo | |
| | 25.59 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.59 | 20/240 | | R. Peking, China | |
| | 25.59 | 7.5/100 | | BBC, Malaysia | |
| | 25.59 | 50 | BED75 | Taipei (BCC), Taiwan | |
| | 25.59 | 1 | YVIS | R. Frontera, Venezuela | |
| 11730 | 25.58 | 50/100 | | R. Nederland, Holland | |
| | 25.58 | 50 | | Vinnitsa, USSR | |
| | 25.58 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.58 | 35 | | Poro (VOA), Philippines | |
| | 25.58 | 50/100 | WNYW | R. New York, USA | |
| 11735 | 25.56 | 100/ | | | |
| | | 120 | LKJ | R. Norway, Norway | |
| | 25.56 | 10 | | Tromsö, Norway | |
| | 25.56 | 50 | | Vinnitsa, USSR | |
| | 25.56 | 100 | | R. Belgrade, Yugoslavia | |
| | 25.56 | 50 | | Tanger, Morocco | |
| | 25.56 | 100 | | H. F. Verwoerd St, So. Africa | |
| | 25.56 | 120/240 | | R. Habana, Cuba | |
| | 25.56 | 7.5 | ZYW28 | R. Clube de Goiania, Brazil | |
| | 25.56 | 5 | CXA7 | R. Oriental, Uruguay | |
| 11740 | 25.55 | 15 | | Novosibirsk, USSR | |
| | 25.55 | 25/100 | | Vatican Radio | |
| | 25.55 | 50/250 | | Monrovia (VOA), Liberia | |
| | 25.55 | 240 | | R. Peking, China | |
| | 25.55 | 2 | DZF6 | Call of the Orient, Philippines | |
| | 25.55 | 100 | | R. Australia, Australia | |
| | 25.55 | 50/100 | WNYW | R. New York, USA | |
| | 25.55 | 1 | XEMP | R. Dif. XEMP, Mexico | |
| | 25.55 | 5 | CE1174 | R. Nuevo Mundo, Chile | |
| 11745 | 25.54 | 50/100 | | R. Berlin Int, Germany | |
| | 25.54 | 50 | | Minsk, USSR | |
| | 25.54 | 10/50 | | Karachi, Pakistan | |
| | 25.54 | 10 | ZYR65 | R. Piratininga, Brazil | |
| 11750 | 25.53 | 100 | | Vienna, Austria | |
| | 25.53 | 75 | | BBC London, Gt. Britain | |
| | 25.53 | 50 | | R. Mali, Mali | |
| | 25.53 | 20/240 | | R. Peking, China | |
| | 25.53 | 10/1 | | Tokyo (FEN), Japan | |
| | 25.53 | 7.5/100 | | BBC, Malaysia | |
| 11755 | 25.52 | 50/100 | | R. Nederland, Holland | |
| | 25.52 | 100 | | Leningrad, USSR | |
| | 25.52 | 50 | | Vladivostok, USSR | |
| | 25.52 | 10/100 | VUD | AIR Delhi, India | |
| 11760 | 25.51 | 100 | | Vienna, Austria | |
| | 25.51 | 15/100 | | BBC London, Gt. Britain | |
| | 25.51 | 250 | | Woofferton (VOA), Gt. Brit. | |
| | 25.51 | 100 | | Kharkov, USSR | |
| | 25.51 | 25/100 | | Vatican Radio | |
| | 25.51 | 100 | VUB | AIR Bombay, India | |
| | 25.51 | 10/100 | VUD | AIR Delhi, India | |
| | 25.51 | | | Hanoi, Vietnam (Dem. Rep.) | |
| | 25.51 | 0.25 | ZK4 | R. Rarotonga, Cook Islands | |
| | 25.51 | 120/240 | | R. Habana, Cuba | |
| 11765 | 25.50 | 50 | | R. Sofia, Bulgaria | |
| | 25.50 | 50/100 | | R. Berlin Int, Germany | |
| | 25.50 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 25.50 | 320/240 | | Pyongyang, Korea (PDR) | |
| | 25.50 | 25 | ZYB8 | R. Dif. São Paulo, Brazil | |
| 11770 | 25.49 | 20/250 | | R. Liberty | |
| | 25.49 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.49 | 20 | YDE | Djakarta, Indonesia | |
| | 25.49 | 50/200 | | Delano, USA | |
| | 25.49 | 30 | HCJB | La Voz de los Andes, Ecuad. | |
| | a25.49 | 1 | YVQG | R. Maturin, Venezuela | |
| 11775 | 25.48 | 100 | | Schwarzenburg, Switzerland | |
| | 25.48 | 50 | | Kursk, USSR | |
| | 25.48 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.48 | 100 | | R. Afghanistan, Afghanistan | |
| | 25.48 | 10/100 | VUD | AIR Delhi, India | |
| | 25.48 | 50 | | Poro (VOA), Philippines | |
| | 25.48 | 10 | ZYZ28 | R. Mayrink Veiga, Brazil | |
| 11780 | 25.47 | 75 | | BBC London, Gt. Britain | |
| | 25.47 | 50/100 | | R. Nederland, Holland | |
| | 25.47 | 5/100 | | R. Clube de Moçambique | |
| | 25.47 | 10/100 | VUD | AIR Delhi, India | |
| | 25.47 | 100 | | R. Japan, Japan | |
| | 25.47 | 7.5 | ZL3 | Wellington, New Zealand | |
| | 25.47 | 8/10 | LRY2 | R. Belgrano, Argentina | |
| 11785 | 25.46 | 100 | | Vienna, Austria | |
| | 25.46 | 100 | DMQ11 | Deutsche Welle, Germany | |
| | 25.46 | 50/100 | | R. Berlin Int, Germany | |
| | 25.46 | 50 | | Vinnitsa, USSR | |
| | 25.46 | 250 | | R. South Africa, So. Africa | |
| | 25.46 | 10/100 | VUD | AIR Delhi, India | |
| | 25.46 | 1.5 | YDQ3 | Makassar, Indonesia | |
| | 25.46 | 100 | | Beyrouth, Lebanon | |
| | 25.46 | 7.5 | ZYU61 | R. Guaiba, Brazil | |
| 11790 | 25.45 | 100 | | Trans World Radio, Monaco | |
| | 25.45 | 50 | | Blagovechensk, USSR | |
| | 25.45 | 50 | | Riazan, USSR | |
| 11790 | 25.45 | 35/100 | | Tanger (VOA), Morocco | |
| | 25.45 | 10/100 | VUD | AIR Delhi, India | |
| | 25.45 | 50 | | Malolos (VOA), Philippines | |
| | 25.45 | 100 | | R. Australia, Australia | |
| 11795 | 25.43 | 100 | DMQ11 | Deutsche Welle, Germany | |
| | 25.43 | 50 | | Kinshasa, Congo (Dem. Rep) | |
| | 25.43 | 50 | WINB | Red Lion, USA | |
| | 25.43 | 10 | PRL9 | R. Nacional Rio, Brazil | |
| 11800 | 25.42 | 100 | | Praha, Czechoslovakia | |
| | 25.42 | 50/100 | | R. Nederland, Holland | |
| | 25.42 | 50/60/100 | | R. Roma, Italy | |
| | 25.42 | 5/100 | | Warsaw, Poland | |
| | 25.42 | 50 | | R. Nac. España, Canary Isl. | |
| | 25.42 | 4 | | Fort Lamy, Chad | |
| | 25.42 | 100/250 | | Accra, Ghana | |
| | 25.42 | 20/240 | | R. Peking, China | |
| | 25.42 | 35 | | Colombo, Ceylon | |
| 11804 | 25.42 | 5 | CE1181 | R. Soc. Nac. Agricultura, Ch. | |
| 11805 | 25.41 | 10/100/250 | | R. Free Europe | |
| | 25.41 | 50 | | Kazan, USSR | |
| | 25.41 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.41 | 20 | | Paradys, So. Africa | |
| | 25.41 | 100 | | Poro (VOA), Philippines | |
| | 25.41 | 50 | | Delano, USA | |
| | 25.41 | 50/100 | WNYW | R. New York, USA | |
| | 25.41 | 10 | ZYZ36 | R. Globo, Brazil | |
| 11810 | 25.40 | 50/60/100 | | R. Roma, Italy | |
| | 25.40 | 120 | | Bucharest, Rumania | |
| | 25.40 | 100 | | Simferopol, USSR | |
| | 25.40 | 50 | | Alger, Algeria | |
| | 25.40 | 10/100 | VUD | AIR Delhi, India | |
| | 25.40 | 5 | | Amman, Jordan | |
| | 25.40 | 100 | | R. Australia, Australia | |
| | 25.40 | 5 | CE1181 | R. Soc. Nac. Agricultura, Ch. | |
| 11815 | 25.39 | 10/100/250 | | R. Free Europe | |
| | 25.39 | 5/100 | | Warsaw, Poland | |
| | 25.39 | 50 | | R. Mali, Mali | |
| | 25.39 | 100 | | R. Japan, Japan | |
| | 25.39 | 50/260 | | TWR Bonaire, N. Antilles | |
| | 25.39 | 7.5 | ZYW24 | R. Brazil Central, Brazil | |
| 11820 | 25.38 | 75 | | BBC London, Gt. Britain | |
| | 25.38 | 50/100 | | R. Nederland, Holland | |
| | 25.38 | 50 | | Murmansk, USSR | |
| | 25.38 | 250 | | BBC, Ascencion Isl. | |
| | 25.38 | 100 | | R. Abidjan, Ivory Coast | |
| | 25.38 | 5/100 | | R. Clube de Moçambique | |
| | 25.38 | 240 | | R. Peking, China | |
| | 25.38 | 10/100 | VUD | AIR Delhi, India | |
| | 25.38 | 50/260 | | TWR Bonaire, N. Antilles | |
| 11825 | 25.37 | 10/100/250 | | R. Free Europe | |
| | 25.37 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.37 | 25 | BED69 | Taipei (BCC), Taiwan | |
| | 25.37 | 4 | | Papéete, Tahiti | |
| | 25.37 | 15 | ZYK32 | R. Jornal do Comercio, Br. | |
| 11830 | 25.36 | 100 | | Moscow, USSR | |
| | 25.36 | 10/50 | | Karachi, Pakistan | |
| | 25.36 | 7.5 | ZL19 | Wellington, New Zealand | |
| | 25.36 | 250 | | Greenville, USA | |
| 11835 | 25.35 | 100 | | Trans World Radio, Monaco | |
| | 25.35 | 50 | | Alma Ata, USSR | |
| | 25.35 | 50 | | Alger, Algeria | |
| | 25.35 | 35 | | Colombo (VOA), Ceylon | |
| | 25.35 | 50/500 | | Greenville, USA | |
| | 25.35 | 1/2.5 | 4VEJ | R. St. 4VEH, Haiti | |
| | 25.35 | 5 | CXA19 | El Espectador, Uruguay | |
| 11840 | 25.34 | 5/100 | | Warsaw, Poland | |
| | 25.34 | 50/100 | CSA31 | R.-Nacional, Portugal | |
| | 25.34 | 50 | | Kazan, USSR | |
| | 25.34 | 250 | | BBC, Ascencion Isl. | |
| | 25.34 | 20 | | Paradys, So. Africa | |
| | 25.34 | | | Hanoi, Vietnam (Dem. Rep.) | |
| 11845 | 25.33 | 100 | | Allouis, France | |
| | 25.33 | 50 | | Kazan, USSR | |
| | 25.33 | 500 | | Greenville, USA | |
| 11850 | 25.32 | 100/ | | | |
| | | 120 | LLK | R. Norway, Norway | |
| | 25.32 | 50 | | Kazan, USSR | |
| | 25.32 | 50 | | Vladivostok, USSR | |
| | 25.32 | 100/250 | | Accra, Ghana | |
| | 25.32 | 10/50 | | Karachi, Pakistan | |
| | 25.32 | 50 | | Ulan Bator, Mongolia | |
| | 25.32 | 1 | CE1185 | R. Cruz del Sur, Chile | |
| | 25.32 | 3 | ZPA3 | R. Teleco, Paraguay | |
| 11855 | 25.31 | 10/100/250 | | R. Free Europe | |
| | 25.31 | 10/50 | | Karachi, Pakistan | |
| | 25.31 | 50 | DZH8 | Call of the Orient, Philippines | |
| | 25.31 | 50 | | Jeddah, Saudi Arabia | |
| | 25.31 | 50/100 | WNYW | R. New York, USA | |
| 11860 | 25.30 | 75 | | BBC London, Gt. Britain | |
| | 25.30 | 100/ | | | |
| | | 120 | LLJ | R. Norway, Norway | |
| | 25.30 | 100 | | Gorki, USSR | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 11860 | 25.30 | 250 | | BBC, Ascencion Isl. | |
| | 25.30 | 20/240 | | R. Peking, China | |
| | 25.30 | 50 | BED45 | Taipei (BCC), Taiwan | |
| 11865 | 25.28 | 100 | | Schwarzenburg, Switzerland | |
| | 25.28 | 250 | | BBC, Ascencion Isl. | |
| | 25.28 | 100 | | Lubumbashi, Congo D.R. | |
| | 25.28 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.28 | 20 | | Paradys, So. Africa | |
| | 25.28 | 120/240 | | R. Habana, Cuba | |
| | 25.28 | 1 | | R. Cl. Pernambuco, Brazil | |
| 11870 | 25.27 | 100/250 | | R. Liberty | |
| | 25.27 | 50 | | Kaunas, USSR | |
| | 25.27 | 100 | | Amman, Jordan | |
| | 25.27 | 50 | | Jeddah, Saudi Arabia | |
| | 25.27 | 50/500 | | Greenville, USA | |
| 11875 | 25.26 | 50/100 | | R. Berlin Int, Germany | |
| | 25.26 | 250 | | R. South Africa, So. Africa | |
| | 25.26 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 25.26 | 10/100 | VUD | AIR Delhi, India | |
| | 25.26 | 20/200 | | R. Japan, Japan | |
| | 25.26 | 10/50 | | Karachi, Pakistan | |
| | 25.26 | 50 | DZU6 | Dumaguete City, Philippines | |
| | 25.26 | 100 | | Poro (VOA), Philippines | |
| | 25.26 | 50/200 | | Delano, USA | |
| | 25.26 | 10 | ZYN32 | R. Soc. Bahia, Brazil | |
| 11880 | 25.25 | 100 | | Schwarzenburg, Switzerland | |
| | 25.25 | 50 | | Sverdlovsk, USSR | |
| | 25.25 | 50 | | R. Australia, Australia | |
| | 25.25 | 10 | VLH11 | Melbourne, Australia | |
| | 25.25 | 50/500 | | Greenville, USA | |
| | 25.25 | 5 | XERH | R. Dif. Comerciales, Mexico | |
| | 25.25 | 20 | LRS | R. Splendid, Argentina | |
| 11885 | 25.24 | 100 | | Allouis, France | |
| | 25.24 | 10/100/250 | | R. Free Europe | |
| | 25.24 | 20/240 | | R. Peking, China | |
| | 25.24 | 10/100 | VUD | AIR Delhi, India | |
| | 25.24 | 10/50 | | Karachi, Pakistan | |
| | 25.24 | 10 | ZYZ25 | R. Mauá, Brazil | |
| | 25.24 | 10 | CXA68 | R. Sarandi, Uruguay | |
| 11890 | 25.23 | 50/100 | | R. Berlin Int, Germany | |
| | 25.23 | 15/100 | | BBC London, Gt. Britain | |
| | 25.23 | 50 | | Erevan, USSR | |
| | 25.23 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.23 | 7.5 | | BBC Cyprus | |
| | 25.23 | 2/50 | DZE9 | Call of the Orient, Philippines | |
| | 25.23 | 110 | | Bethany, USA | |
| | 25.23 | 50/500 | | Greenville, USA | |
| 11895 | 25.22 | 100 | ORU3 | Wavre, Belgium | |
| | 25.22 | 10/100/250 | | R. Free Europe | |
| | 25.22 | 10/100 | VUD | AIR Delhi, India | |
| 11900 | 25.21 | 50 | | Sverdlovsk, USSR | |
| | 25.21 | 100 | | Lagos (NBC), Nigeria | |
| | 25.21 | 250 | | R. South Africa, So. Africa | |
| | 25.21 | 100 | | R. Malaysia, Malaysia | |
| | 25.21 | 5 | CE1190 | La Voz de Chile, Chile | |
| | 25.21 | 20 | CXA10 | S.O.D.R.E, Uruguay | |
| 11905 | 25.20 | 120 | | R. Tirana, Albania | |
| | 25.20 | 100 | DMQ11 | Deutsche Welle, Germany | |
| | 25.20 | 10/100/250 | | R. Free Europe | |
| | 25.20 | 75/100 | | BBC London, Gt. Britain | |
| | 25.20 | 50/60/100 | | R. Roma, Italy | |
| | 25.20 | 250 | | Kigali (DW), Rwanda | |
| | 25.20 | 7.5/100 | | BBC, Cyprus | |
| | 25.20 | 25 | | Ulan Bator, Mongolia | |
| | 25.20 | 3 | BED44 | Taipei (BCC), Taiwan | |
| 11910 | 25.19 | 75/100 | | BBC London, Gt. Britain | |
| | 25.19 | 5/135 | | R. Budapest, Hungary | |
| | 25.19 | 20/240 | | R. Peking, China | |
| | 25.19 | 7.5/100 | | BBC, Cyprus | |
| | 25.19 | 100 | | Tel Aviv, Israel | |
| | 25.19 | 100 | HSK9 | R. Thailand, Thailand | |
| | 25.19 | 30 | HCJB | La Voz de los Andes, Ecuad. | |
| 11915 | 25.18 | 50 | | Orenburg, USSR | |
| | 25.18 | 50/250 | | Monrovia (VOA), Liberia | |
| | 25.18 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 25.18 | 50/500 | | Greenville, USA | |
| | 25.18 | 7.5 | PRC23 | R. TV Gaucha, Brazil | |
| | 25.18 | 30 | HCJB | La Voz de los Andes, Ecuad. | |
| 11920 | 25.17 | 100 | | Allouis, France | |
| | 25.17 | 120 | | R. Bucharest, Rumania | |
| | 25.17 | 15 | | Moscow, USSR | |
| | 25.17 | 50 | DZF2 | Call of the Orient, Philippines | |
| | 25.17 | 35/100 | | Okinawa (VOA), Ryuku Isl. | |
| 11925 | 25.16 | 100 | DMQ11 | Deutsche Welle, Germany | |
| | 25.16 | 75 | | BBC London, Gt. Britain | |
| | 25.16 | 10 | | Emis. Nacional, Portugal | |
| | 25.16 | 50 | | Dushanbé, USSR | |
| | 25.16 | 50 | | Tashkent, USSR | |
| | 25.16 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.16 | 20/240 | | R. Peking, China | |
| | 25.16 | 10/100 | VUD | AIR Delhi, India | |
| | 25.16 | 10 | ZYR78 | R. Bandeirantes, Brazil | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 11930 | 25.15 | 50/100 | | R. Nederland, Holland | |
| | 25.15 | 150 | | Moscow, USSR | |
| | 25.15 | 50 | | R. Brazzaville, Congo | |
| | 25.15 | 20/240 | | R. Peking, China | |
| | 25.15 | 50 | | Poro (VOA), Philippines | |
| | 25.15 | 120/240 | | R. Habana, Cuba | |
| 11935 | 25.14 | 20/250 | | R. Liberty | |
| | 25.14 | 50/100 | | R. Nacional, Portugal | |
| | 25.14 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.14 | 25 | ZYS35 | R. Cl. Paranaense, Brazil | |
| 11940 | 25.13 | 120 | | R. Bucharest, Rumania | |
| | 25.13 | 50 | | Krasnoyarsk, USSR | |
| | 25.13 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 25.13 | 100 | | R. Japan, Japan | |
| | 25.13 | 1/10/50 | | R. Kuwait, Kuwait | |
| | 25.13 | 50 | | R. Singapura, Singapore | |
| | 25.13 | 35 | BED90 | Taipei (BCC), Taiwan | |
| | 25.13 | 5 | ZPA5 | R. Encarnación, Paraguay | |
| 11945 | 25.12 | 100 | DMQ11 | Deutsche Welle, Germany | |
| | 25.12 | 75 | | BBC London, Gt. Britain | |
| | 25.12 | 50/100 | | R. Nederland, Holland | |
| | 25.12 | 50 | | Alma Ata, USSR | |
| | 25.12 | 240 | | R. Peking, China | |
| | 25.12 | 50/500 | | Greenville, USA | |
| 11950 | 25.10 | 50 | | R. Sofia, Bulgaria | |
| | 25.10 | 50/100 | | R. Nederland, Holland | |
| | 25.10 | 50 | | Vladivostok, USSR | |
| | 25.10 | 10/50 | | R. ELWA, Liberia | |
| | 25.10 | 50 | | Riyadh, Saudi Arabia | |
| | 25.10 | 25 | | Saigon, Vietnam | |
| | 25.10 | 7.5 | PRL3 | R. Min. Educação, Brazil | |
| 11955 | 25.09 | 75 | | BBC London, Gt. Britain | |
| | 25.09 | 50/100 | | R. Nederland, Holland | |
| | 25.09 | 5/100 | | Warsaw, Poland | |
| | 25.09 | 50 | | Serpukhov, USSR | |
| | 25.09 | 7.5/100 | | BBC, Cyprus | |
| | 25.09 | 7.5/100 | | BBC, Malaysia | |
| | 25.09 | 500 | | Greenville, USA | |
| 11957 | 25.09 | 20/240 | | R. Peking, China | |
| 11960 | 25.08 | 100 | | Praha, Czechoslovakia | |
| | 25.08 | 50/100 | | R. Nederland, Holland | |
| | 25.08 | 100 | | Trans World Radio, Monaco | |
| | 25.08 | 50 | | Monrovia (VOA), Liberia | |
| | 25.08 | 35/100 | | Tanger (VOA), Morocco | |
| | 25.08 | 5 | CE1196 | R. Soc. Nac. de Mineria, Ch. | |
| 11965 | 25.07 | 100 | DMQ11 | Deutsche Welle, Germany | |
| | 25.07 | 120 | | Tbilisi, USSR | |
| | 25.07 | 50 | | Conakry, Guinea Rep. | |
| | 25.07 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 25.07 | 20/240 | | R. Peking, China | |
| | 25.07 | 100 | VUB | AIR Bombay, India | |
| | 25.07 | 10/100 | VUD | AIR Delhi, India | |
| | 25.07 | 10/50 | | Karachi, Pakistan | |
| | 25.07 | 100 | | R. Japan, Japan | |
| | 25.07 | 50 | | Poro (VOA), Philippines | |
| | 25.07 | 35/100 | | Okinawa (VOA), Ryuku Isl. | |
| | 25.07 | 50/200 | | Dixon, USA | |
| | 25.07 | 50 | PRB24 | R. Record, Brazil | |
| 11970 | 25.06 | 50 | | R. Sofia, Bulgaria | |
| | 25.06 | 20/250 | | R. Liberty | |
| | 25.06 | 100 | | Allouis, France | |
| | 25.06 | 50/100 | | R. Nederland, Holland | |
| | 25.06 | 4 | | R. Brazzaville, Congo | |
| | 25.06 | 50 | | R. Tunis, Tunis | |
| | 25.06 | 7.5/100 | | BBC, Cyprus | |
| | 25.06 | 100 | | Amman, Jordan | |
| | 25.06 | 3 | BED37 | Chiayi (BCC), Taiwan | |
| | 25.06 | 50/100 | WNYW | R. New York, USA | |
| | 25.06 | 5 | | Grenada, Windward Islands | |
| 11975 | 25.05 | 10/50 | | R. ELWA, Liberia | |
| | 25.05 | 20/240 | | R. Peking, China | |
| 11980 | 25.04 | 50 | | Komsomolsk, USSR | |
| | 25.04 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 25.04 | 120/240 | | R. Peking, China | |
| 11990 | 25.02 | 100 | | Praha, Czechoslovakia | |
| | 25.02 | 50 | | Dushanbé, USSR | |
| | | | | **11995-12100kHz** | |
| 12000 | 25.00 | 100 | | Armavir, USSR | |
| 12005 | 24.99 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 24.99 | 20/240 | | R. Peking, China | |
| † | 24.99 | 10 | VNG | Lyndhurst, Australia | |
| 12010 | 24.98 | 20 | | Novosibirsk, USSR | |
| | 24.98 | 120/240 | | R. Peking, China | |
| 12015 | 24.97 | 50 | | Khabarovsk, USSR | |
| | 24.97 | 20/240 | | R. Peking, China | |
| 12020 | 24.96 | 100 | | Armavir, USSR | |
| 12030 | 24.94 | 20 | | Novosibirsk, USSR | |
| 12035 | 20.93 | 20/240 | | R. Peking, China | |
| 12040 | 24.92 | 15/100 | | BBC London, Gt. Britain | |
| 12050 | 24.90 | 50 | | Vinnitsa, USSR | |
| 12055 | 24.89 | 120/240 | | R. Peking, China | |
| 12060 | 24.88 | 50 | | Moscow, USSR | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 12060 | 24.88 | 20/240 | | R. Peking, China | |
| 12065 | 24.87 | 20/240 | | R. Peking, China | |
| 12070 | 24.86 | 100 | | Kiev, USSR | |
| 12095 | 24.80 | 15/100 | | BBC London, Gt. Britain | |
| 12110 | 24.77 | 120/240 | | R. Peking, China | |
| 12120 | 24.75 | 20/240 | | R. Peking, China | |
| †12307 | 24.38 | | OBC | Callao, Peru | |
| †12763 | 23.50 | 15 | DAM | Elmshorn, Germany | |
| †12790 | 23.30 | | GKU5 | Hailsham, Gt. Britain | |
| †12907 | 23.25 | 10 | VHP5 | Belconnen, Australia | |
| †12960 | 23.16 | | CCV | Valparaiso, Chile | |
| †12966 | 23.14 | | NPG | San Francisco, USA | |
| †13105 | 22.89 | | PPR | Rio de Janeiro, Brazil | |
| †13530 | 22.17 | | NPN | Guam | |
| †13555 | 22.15 | 15 | GIC33 | Hailsham, Gt. Britain | |
| †13575 | 22.10 | | NSS | Annapolis, USA | |
| †13655 | 21.97 | | NPM | Honolulu, Hawaii | |
| 13750 | 21.82 | | | Khabarovsk, USSR | |
| 13832 | 21.69 | 20 | | Deragava (VUNC), Ryuku Isl. | |
| †13873 | 21.62 | 6 | FTN87 | Pontoise, France | |
| †14670 | 20.45 | 3 | CHU | Dominion Observatory, Can. | |
| 14990 | 20.01 | 20/240 | | R. Peking, China | |
| †15000 | 20.00 | 20 | RWM | Moscow, USSR | |
| * | 20.00 | | BPV | Peking, China | |
| * | 20.00 | 2 | JJY | Tokyo, Japan | |
| * | 20.00 | 2 | WWVH | Puunene, Hawaii | |
| * | 20.00 | 10 | WWV | Lanham, USA | |
| † | 20.00 | 2 | LOL | Buenos Aires, Argentina | |
| 15030 | 19.96 | 120/240 | | R. Peking, China | |
| 15040 | 19.95 | 20/240 | | R. Peking, China | |
| 15044 | 19.94 | | | Hanoi,Vietnam (Dem. Rep.) | |
| 15055 | 19.93 | 50/100 | | Cairo, Un. Arab Rep. | |
| 15060 | 19.92 | 240 | | R. Peking, China | |
| 15070 | 19.91 | 15/100 | | BBC London, Gt. Britain | |
| 15080 | 19.89 | 100 | VUB | AIR Bombay, India | |
| | 19.89 | 20/240 | | R. Peking, China | |
| 15090 | 19.88 | 50/100 | | Cairo, Un. Arab Rep. | |
| 15095 | 19.87 | 240 | | R. Peking, China | |
| | | **15100-15450kHz** | | **(19 metre band)** | |
| 15100 | 19.87 | 100 | | Krasnoyarsk, USSR | |
| | 19.87 | 10/50 | | Karachi, Pakistan | |
| 15105 | 19.86 | 50/75 | | BBC London, Gt. Britain | |
| | 19.86 | 10/100 | VUD | AIR Delhi, India | |
| | 19.86 | 100 | | R. Iran, Iran | |
| | 19.86 | 100 | | R. Japan, Japan | |
| | 19.86 | 5 | | Grenada, Windward Isl. | |
| 15105 | 19.86 | 250 | | BBC, Ascencion Isl. | |
| 15110 | 19.85 | 100 | | Allouis, France | |
| | 19.85 | 100 | | Kiev, USSR | |
| | 19.85 | 7.5 | ZL21 | Wellington, New Zealand | |
| | 19.85 | 5 | XERR | R. Dif. Comerciales, Mexico | |
| | 19.85 | 50 | HCJB | La Voz de los Andes, Ec. | |
| 15115 | 19.85 | 10/100/250 | | R. Free Europe | |
| | 19.85 | 100 | | Dakar, Senegal | |
| | 19.85 | 20/240 | | R. Peking, China | |
| | 19.85 | 50 | | Jeddah, Saudi Arabia | |
| | 19.85 | 1/30 | HCJB | La Voz de los Andes, Ec. | |
| 15120 | 19.84 | 100 | | Allouis, France | |
| | 19.84 | 25/100 | | Vatican Radio | |
| 15125 | 19.83 | 50 | | R. Liberty | |
| | 19.83 | 50/100 | CSA64 | R. Nacional, Portugal | |
| | 19.83 | 100 | BED60 | Taipei (BCC), Taiwan | |
| | 19.83 | 10 | ZYN32 | R. Soc. da Bahia, Brazil | |
| 15130 | 19.83 | 100 | | Allouis, France | |
| | 19.83 | 50 | | R. Liberty | |
| | 19.83 | 50 | | Simferopol, USSR | |
| 15135 | 19.82 | 100 | | Schwarzenburg, Switzerland | |
| | 19.82 | 25/100 | | Vatican Radio | |
| | 19.82 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.82 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 19.82 | 100 | | R. Japan, Japan | |
| | 19.82 | 10 | PRB23 | R. Panamericana, Brazil | |
| 15140 | 19.82 | 75/100 | | BBC London, Gt. Britain | |
| | 19.82 | 50 | | Petropavlovsk, USSR | |
| | 19.82 | 50 | | Riazan, USSR | |
| | 19.82 | 20/240 | | R. Peking, China | |
| | 19.82 | 250 | | BBC, Ascencion Isl. | |
| | 19.82 | 50/260 | | TWR Bonaire, Neth. Antilles | |
| 15145 | 19.81 | 10/100/250 | | R. Free Europe | |
| | 19.81 | 15 | ZYK33 | R. Jornal do Comercio, Br. | |
| 15148 | 19.80 | 5 | CE1515 | Corp. Chilena Broadc, Chile | |
| 15150 | 19.80 | 100 | | Minsk, USSR | |
| | 19.80 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.80 | 7.5 | YDC | Djakarta, Indonesia | |
| | 19.80 | 1/10/50 | | R. Kuwait, Kuwait | |
| | 19.80 | 100 | | Jeddah, Saudi Arabia | |
| | 19.80 | 15 | OAX4T | R. Nacional, Peru | |
| 15155 | 19.80 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.80 | 50 | | R. ELWA, Liberia | |
| | 19.80 | 100 | | Poro (VOA), Philippines | |
| | 19.80 | 25 | ZYB9 | R. Dif. de São Paulo, Brazil | |

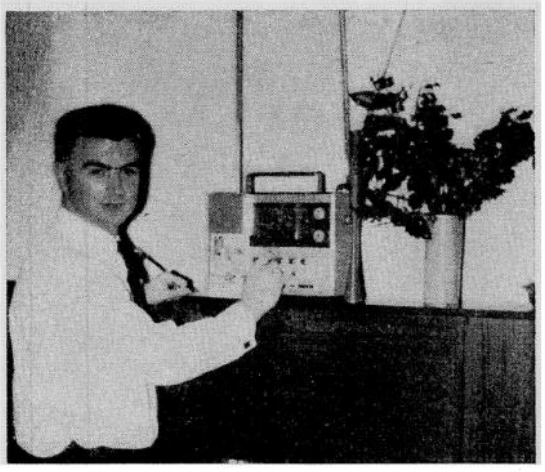
| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 15160 | 19.79 | 100 | | Allouis, France | |
| | 19.79 | 50 | | Rhodes (VOA), Greece | |
| | 19.79 | 5/135 | | R. Budapest, Hungary | |
| | 19.79 | 50 | | Moscow, USSR | |
| | 19.79 | 10/100 | VUD | AIR Delhi, India | |
| | 19.79 | 100 | TAU | R. Ankara, Turkey | |
| | 19.79 | 110 | | Bethany, USA | |
| 15165 | 19.78 | 50 | OZF7 | R. Denmark, Denmark | |
| | 19.78 | 10/100 | VUD | AIR Delhi, India | |
| | 19.78 | 35/100 | | Poro (VOA), Philippines | |
| | 19.78 | 50 | | Damascus, Syria | |
| | 19.78 | 5 | ZYN7 | Ceara R. Clube, Brazil | |
| 15170 | 19.78 | 10/100/250 | | R. Free Europe | |
| | 19.78 | 10 | LKV | R. Norway, Norway | |
| | 19.78 | 50 | | Vladivostok, USSR | |
| | 19.78 | 100 | | Amman, Jordan | |
| | 19.78 | 10 | TGWA | La Voz de Guatemala, Guat. | |
| 15175 | 19.77 | 100/ | | | |
| | | 120 | LLM | R. Norway, Norway | |
| | 19.77 | 100 | | Lvov, USSR | |
| | 19.77 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 19.77 | 20/240 | | R. Peking, China | |
| | 19.77 | 10/100 | VUD | AIR Delhi, India | |
| | 19.77 | 10/50 | | Karachi, Pakistan | |
| | 19.77 | 50 | | Malolos (VOA), Philippines | |
| | 19.77 | 35/100 | | Poro (VOA), Philippines | |
| 15180 | 19.76 | 75 | | BBC London, Gt. Britain | |
| | 19.76 | 50/100 | | R. Nederland, Holland | |
| | 19.76 | 50 | | Petropavlovsk, USSR | |
| | 19.76 | 50 | | Sverdlovsk, USSR | |
| | 19.76 | 250 | | BBC, Ascencion Isl. | |
| | 19.76 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.76 | 100 | | R. Australia, Australia | |
| | 19.76 | 10 | ZYN30 | R. Cult. da Bahia, Brazil | |
| 15185 | 19.76 | 100 | OIX4 | Pori, Finland | |
| | 19.76 | 10/100/250 | | R. Free Europe | |
| | 19.76 | 50 | | Askhabad, USSR | |
| | 19.76 | 10/100 | VUD | AIR Delhi, India | |
| 15190 | 19.75 | 50 | | Ivano-Frankovsk, USSR | |
| | 19.75 | 50 | | R. Brazzaville, Congo | |
| | 19.75 | 10/100 | VUD | AIR Delhi, India | |
| | 19.75 | 50 | | R. Canada, Canada | |
| | 19.75 | 5 | PRK9 | R. Inconfidencia, Brazil | |
| 15195 | 19.74 | 10/100/250 | | R. Free Europe, Germany | |
| | 19.74 | 250 | | Woofferton (VOA), Gt. Bri. | |
| | 19.74 | 35/100 | | Tanger (VOA), Morocco | |
| | 19.74 | 20/240 | | R. Peking, China | |
| | 19.74 | 100 | | R. Japan, Japan | |
| 15200 | 19.74 | 50/100 | | R. Berlin Int, Germany | |
| | 19.74 | 50 | | Kalatch, USSR | |
| 15205 | 19.73 | 100 | DMO15 | Deutsche Welle, Germany | |
| | 19.73 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.73 | 500 | | Greenville, USA | |
| 15210 | 19.72 | 100 | | Vienna, Austria | |
| | 19.72 | 50/100 | | R. Berlin Int, Germany | |
| | 19.72 | 100 | | Moscow, USSR | |
| | 19.72 | 35/100 | | Poro (VOA), Philippines | |
| | 19.72 | 35/100 | | Okinawa (VOA), Ryuku Isl. | |
| | 19.72 | 3 | ZPA7 | R. Guarani, Paraguay | |
| 15215 | 19.71 | 10/100/250 | | R. Free Europe | |
| | 19.71 | 110 | | Bethany, USA | |
| | 19.71 | 50/100 | WNYW | R. New York, USA | |
| 15220 | 19.71 | 50/100 | | R. Nederland, Holland | |
| | 19.71 | 50 | | Riga, USSR | |
| | 19.71 | 250 | | R. South Africa, So. Africa | |
| | 19.71 | 100 | | R. Australia, Australia | |
| | 19.71 | 10 | VLG | Melbourne, Australia | |
| 15225 | 19.71 | 250/500 | | R. Liberty | |
| | 19.71 | 120 | | R. Bucharest, Rumania | |
| | 19.71 | 25 | CXA64 | La Voz de Melo, Uruguay | |
| 15230 | 19.70 | 50 | | Voronej, USSR | |
| | 19.70 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.70 | 100 | | Colombo, Ceylon | |
| | 19.70 | 10 | VLH15 | Melbourne, Australia | |
| | 19.70 | 250 | | Greenville, USA | |
| | 19.70 | 120/240 | | R. Habana, Cuba | |
| 15235 | 19.69 | 15/100 | | BBC London, Gt. Britain | |
| | 19.69 | 50 | | Khabarovsk, USSR | |
| | 19.69 | 250 | | BBC, Ascencion Isl. | |
| | 19.69 | 100 | | R. Japan, Japan | |
| | 19.69 | 10/50 | | Karachi, Pakistan | |
| | 19.69 | 50 | DZF7 | Call of the Orient, Philippines | |
| | 19.69 | 250 | | Greenville, USA | |
| 15236 | 19.69 | 20/240 | | R. Peking, China | |
| | 19.69 | 50/100 | | R. Berlin Int, Germany | |
| 15240 | 19.69 | 100 | | Hörby, Sweden | |
| | 19.69 | 50 | | Irkutsk, USSR | |
| | 19.69 | 100 | | R. Beigrade, Yugoslavia | |
| | 19.69 | 10/100 | VUD | AIR Delhi, India | |
| | 19.69 | 10/50 | | Karachi, Pakistan | |
| | 19.69 | 50 | | R. Australia, Australia | |
| | 19.69 | 50 | | R. St. KGEI, USA | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 15241 | 19.69 | 20/240 | | R. Peking, China | |
| 15245 | 19.68 | 100 | | Allouis, France | |
| | 19.68 | 100 | DMQ15 | Deutsche Welle, Germany | |
| | 19.68 | 35/100 | | Tanger (VOA), Morocco | |
| | 19.68 | 250 | | Kigali (DW), Rwanda | |
| | 19.68 | 250 | | R. South Africa, So. Africa | |
| | 19.68 | 250 | | Greenville, USA | |
| | 19.68 | 50 | | R. St. KGEI, USA | |
| | 19.68 | 50 | | TWR Bonaire, Neth. Antilles | |
| | 19.68 | 10 | ZYE21 | R. Marajoára, Brazil | |
| 15250 | 19.67 | 120 | | R. Bucharest, Rumania | |
| | 19.67 | 50 | | Kazan, USSR | |
| | 19.67 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.67 | 10/100 | VUD | AIR Delhi, India | |
| | 19.67 | 50/100 | | Poro (VOA), Philippines | |
| | 19.67 | 250 | | Greenville, USA | |
| 15255 | 19.66 | 10/100/250 | | R. Free Europe | |
| | 19.66 | 100 | | Lagos (NBC), Nigeria | |
| | 19.66 | 20/240 | | R. Peking, China | |
| | 19.66 | 10/100 | VUD | AIR Delhi, India | |
| | 19.66 | 50/260 | | TWR Bonaire, Neth. Antilles | |
| 15260 | 19.66 | 75/250 | | BBC London, Gt. Britain | |
| | 19.66 | 1 | | Tokyo (FEN), Japan | |
| 15265 | 19.66 | 100 | | Gorki, USSR | |
| | 19.66 | 50 | | R. Afghanistan, Afghanistan | |
| | 19.66 | 50 | PRG9 | R. Excelsior, Brazil | |
| 15270 | 19.65 | 50/100 | | R. Berlin Int, Germany | |
| | 19.65 | 35/100 | | Tanger (VOA), Morocco | |
| | 19.65 | 100 | | Tananarive, Malagasy Rep. | |
| | 19.65 | 20/240 | | R. Peking, China | |
| | 19.65 | 120/240 | | R. Habana, Cuba | |
| | 19.65 | 1 | CXA18 | S.O.D.R.E, Uruguay | |
| 15275 | 19.64 | 100 | DMQ15 | Deutsche Welle, Germany | |
| | 19.64 | 5/100 | | Warsaw Poland | |
| 15280 | 19.63 | 50 | | Serpukhov, USSR | |
| | 19.63 | 3 | BED36 | Taipei (BCC), Taiwan | |
| | 19.63 | 500 | | Greenville, USA | |
| | 19.63 | 50/260 | | TWR Bonaire, Neth. Antilles | |
| 15285 | 19.63 | 100 | | Praha, Czechoslovakia | |
| | 19.63 | 25/100 | | Vatican Radio | |
| | 19.63 | 100/250 | | Accra, Ghana | |
| | 19.63 | 35 | | Colombo (VOA), Ceylon | |
| 15290 | 19.62 | 250 | | Woofferton (VOA), Gt. Bri. | |
| | 19.62 | 35/100 | | Tanger (VOA), Morocco | |
| | 19.62 | 20/240 | | R. Peking, China | |
| | 19.62 | 10/100 | VUD | AIR Delhi, India | |
| | 19.62 | 35/100 | | Poro (VOA), Philippines | |
| | 19.62 | 20 | | Damascus, Syria | |
| | 19.62 | 10 | LRU | R. El Mundo, Argentina | |
| 15295 | 19.62 | 100 | | Allouis, France | |
| | 19.62 | 50 | | Voronej, USSR | |
| | 19.62 | 50 | | Tangeer (VOA), Morocco | |
| | 19.62 | 5/100 | | R. Clube de Moçambique | |
| 15300 | 19.61 | 100 | DMQ15 | Deutsche Welle, Germany | |
| | 19.61 | 50/75 | | BBC London, Gt. Britain | |
| | 19.61 | 200 | | R. Japan, Japan | |
| | 19.61 | 2/10/50 | DZH9 | Call of the Orient, Philippines | |
| 15305 | 19.60 | 100 | | Schwarzenburg, Switzerland | |
| | 19.60 | 50 | | Kazan, USSR | |
| 15310 | 19.60 | 100 | | R. Sofia, Bulgaria | |
| | 19.60 | 100 | | Praha, Czechoslovakia | |
| | 19.60 | 75 | | BBC London, Gt. Britain | |
| | 19.60 | 50/60/100 | | R. Roma, Italy | |
| | 19.60 | 50 | | Erevan, USSR | |
| | 19.60 | 50 | | Tula, USSR | |
| | 19.60 | 50 | | Conakry, Guinea Rep. | |
| | 19.60 | 7.5/100 | | BBC, Cyprus | |
| 15315 | 19.59 | 100 | DMQ15 | Duetsche Welle, Germany | |
| | 19.59 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.59 | 100 | | Tanger (VOA), Morocco | |
| | 19.59 | 20/240 | | R. Peking, China | |
| | 19.59 | 10/50 | | Karachi, Pakistan | |
| 15320 | 19.58 | 50/100 | | R. Nederland, Holland | |
| | 19.58 | 100 | | Schwarzenburg, Switzerland | |
| | 19.58 | 100 | | Kazan, USSR | |
| | 19.58 | 50/250 | | Monrovia (VOA), Liberia | |
| | 19.58 | 100 | | R. Australia, Australia | |
| | 19.58 | 50 | | R. Canada, Canada | |
| 15325 | 19.58 | 100 | | Beyrouth, Lebanon | |
| | 19.58 | 50 | | R. Canada, Canada | |
| | 19.58 | 1 | ZYR228 | R. Gazeta São Paulo, Brazil | |
| | 19.58 | 50 | HCJB | La Voz de los Andes, Ecuad. | |
| 15330 | 19.57 | 100 | | Sverdlovsk, USSR | |
| | 19.57 | 100 | | Colombo, Ceylon | |
| | 19.57 | 100 | | R. Australia, Australia | |
| | 19.57 | 110 | | Bethany, USA | |
| 15335 | 19.56 | 20 | ORU5 | Wavre, Belgium | |
| | 19.56 | 10/100 | VUD | AIR Delhi, India | |
| | 19.56 | 100 | VUM | AIR, Madras, India | |
| | 19.56 | 10/50 | | Karachi, Pakistan | |
| | 19.56 | 10 | ZYU68 | R. Farroupilha, Brazil | |
| 15340 | 19.56 | 50/250 | | R. Liberty | |
| | 19.56 | 50/100 | | R. Nederland, Holland | |
| | 19.56 | 50/60/100 | | R. Roma, Italy | |
| | 19.56 | 120/240 | | R. Habana, Cuba | |
| 15344 | 19.55 | 0.5 | 8FW2 | Sukarnopura, Indonesia | |
| 15345 | 19.55 | 7.5/5 | | Athens, Greece | |
| | 19.55 | 10 | LKU | R. Norway, Norway | |
| | 19.55 | 50 | | Sebaa Aioun, Morocco | |
| | 19.55 | 100 | | Amman, Jordan | |
| | 19.55 | 50 | | Poro (VOA), Philippines | |
| | 19.55 | 25 | BED49 | Taipei (BCC), Taiwan | |
| | 19.55 | 50 | LRA33 | R. Nacional, Argentina | |
| 15350 | 19.54 | 15/100 | | BBC London, Gt. Britain | |
| | 19.54 | 6 | | R. Luxembourg, Luxembourg | |
| | 19.54 | 100 | | Vologda, USSR | |
| | 19.54 | 100 | | Beyrouth, Lebanon | |
| 15355 | 19.53 | 10/100/250 | | R. Free Europe | |
| | 19.53 | 50/100 | WNYW | R. New York, USA | |
| | 19.53 | 100 | | BBC London, Gt. Britain | |
| | 19.53 | 100 | | Moscow, USSR | |
| | 19.53 | 250 | | Monrovia (VOA), Liberia | |
| 15360 | 19.53 | 50 | | R. Nac. España, Canary Isl. | |
| 15365 | 19.52 | 10/100/250 | | R. Free Europe | |
| | 19.52 | 100 | | Praha, Czechoslovakia | |
| | 19.52 | 100 | | H. F. Verwoerd, So. Africa | |
| | 19.52 | 10/50 | | Karachi, Pakistan | |
| 15370 | 19.52 | 250 | | R. Liberty | |
| | 19.52 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.52 | 20/240 | | R. Peking, China | |
| | 19.52 | 10.50 | | Karachi, Pakistan | |
| | 19.52 | 50/100 | WNYW | R. New York, USA | |
| | 19.52 | 10 | ZYC9 | R. Tamoio, Brazil | |
| | 19.52 | 10 | | R. Tupi, Brazil | |
| 15375 | 19.51 | 50 | | Ashkhabad, USSR | |
| | 19.51 | 100 | | Leningrad, USSR | |
| | 19.51 | 50 | | Malolos (VOA), Philippines | |
| 15380 | 19.50 | 100 | DMQ15 | Deutsche Welle, Germany | |
| | 19.50 | 50 | | R. Liberty | |
| | 19.50 | 50/100 | | R. Nacional, Portugal | |
| | 19.50 | 120 | | R. Bucharest, Rumania | |
| | 19.50 | 50 | | Tanger, Morocco | |
| | 19.50 | 250 | | Kigali (DW), Rwanda | |
| 15385 | 19.50 | 50/60/100 | | R. Roma, Italy | |
| | 19.50 | 100 | | Gorki, USSR | |
| | 19.50 | 100 | | Moscow, USSR | |
| | 19.50 | 2/50 | DZF3 | Call of the Orient, Philippines | |
| | 19.50 | 10 | CXA60 | R. Sarandi, Uruguay | |
| 15390 | 19.49 | 50/100 | | R. Berlin Int, Germany | |
| | 19.49 | 75 | | BBC London, Gt. Britain | |
| | 19.49 | 10 | | R. Australia, Australia | |
| 15395 | 19.49 | 120 | | Tashkent, USSR | |
| | 19.49 | 35/100 | | Okinawa (VOA), Ryuku Isl. | |
| | 19.49 | 50/200 | | Dixon, USA | |
| | 19.49 | 500 | | Greenville, USA | |
| 15400 | 19.48 | 100 | | Vienna, Austria | |
| | 19.48 | 50/60/100 | | R. Roma, Italy | |
| | 19.48 | 250 | | BBC, Ascencion Isl. | |
| | 19.48 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.48 | 50 | | Baghdad, Iraq | |
| | 19.48 | 250 | | Greenville, USA | |
| 15405 | 19.47 | 100 | DMQ15 | Deutsche Welle, Germany | |
| | 19.47 | 100 | | Kingisepp, USSR | |
| | 19.47 | 10/50 | | Karachi, Pakistan | |
| 15406 | 19.47 | 5 | PZC | R. Suriname, Surinam | |
| 15410 | 19.47 | 20 | OEI66 | Vienna, Austria | |
| | 19.47 | 100 | DMQ15 | Deutsche Welle, Germany | |
| | 19.47 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.47 | 10 | | Tanger, Morocco | |
| | 19.47 | 7.5/100 | APD2 | Dacca, Pakistan | |
| | 19.47 | 50 | | Malolos (VOA), Philippines | |
| | 19.47 | 35/100 | | Poro (VOA), Philippines | |
| | 19.47 | 50/200 | | Delano, USA | |
| | 19.47 | 500 | | Greenville, USA | |
| 15415 | 19.46 | 100 | | Kiev, USSR | |
| | 19.46 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 19.46 | 500 | | Greenville, USA | |
| | 19.46 | 1 | ZYR206 | R. Cl. Ribeirão Preto, Brazil | |
| 15417 | 19.46 | 20/200 | | R. Peking, China | |
| 15420 | 19.46 | 75 | | BBC London, Gt. Britain | |
| | 19.46 | 100 | | R. Nacional, Spain | |
| | 19.46 | 250 | | BBC, Ascencion Isl. | |
| | 19.46 | 7.5/100 | | BBC, Cyprus | |
| | 19.46 | 50 | DZU7 | Dumaguete City, Philippines | |
| 15425 | 19.45 | 50/100 | | R. Nederland, Holland | |
| | 19.45 | 120 | | Moscow, USSR | |
| | 19.45 | 50 | VLX15 | Perth, Australia | |
| | | | | **15427-17700kHz** | |
| 15430 | 19.44 | 100 | | Vienna, Austria | |
| | 19.44 | 100 | | Schwarzenburg, Switzerland | |
| | 19.44 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.44 | 10/100 | VUD | AIR Delhi, India | |
| | 19.44 | 50 | HLK41 | Suwon,Korea | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 15430 | 19.44 | 50/250 | | Greenville, USA | |
| 15435 | 19.44 | 75 | | BBC London, Gt. Britain | |
| | 19.44 | 100 | DMQ15 | Deutsche Welle, Germany | |
| | 19.44 | 250 | | BBC Ascencion Isl. | |
| | 19.44 | 100 | ETLF | Addis Ababa, Ethiopia | |
| | 19.44 | 100 | | R. Tanzania, Tanzania | |
| | 19.44 | 100 | | R. Afghanistan, Afghanistan | |
| | 19.44 | 20/240 | | R. Peking, China | |
| | 19.44 | 7.5/100 | | BBC, Malaysia | |
| 15440 | 19.43 | 120 | | Riazan, USSR | |
| | 19.43 | 100 | | Tashkent, USSR | |
| | 19.43 | 50/3 | DZF8 | Call of the Orient, Philippines | |
| | 19.43 | 50/100 | WNYW | R. New York, USA | |
| 15445 | 19.43 | 50 | | R. Liberty | |
| | 19.43 | 50/100 | | R. Nederland, Holland | |
| | 19.43 | 50 | | R. Brazzaville, Congo | |
| | 19.43 | 250 | | Monrovia (VOA), Liberia | |
| | 19.43 | 10 | ZYN32 | R. Nac. Brasilia, Brazil | |
| 15448 | 19.42 | 100 | | Praha, Czechoslovakia | |
| 15450 | 19.42 | 5 | PZC | R. Suriname, Surinam | |
| 15460 | 19.40 | 50 | | Krasnoyarsk, USSR | |
| | 19.40 | 100 | | Moscow, USSR | |
| 15465 | 19.40 | 5 | PZC | R. Suriname, Surinam | |
| 15470 | 19.39 | 50 | | Kalinin, USSR | |
| 15475 | 19.38 | 50/100 | | Cairo, Un. Arab Rep. | |
| 15480 | 19.38 | 50 | | Irkutsk, USSR | |
| | 19.38 | 20/240 | | R. Peking, China | |
| 15490 | 19.36 | 50 | | Orenburg, USSR | |
| 15500 | 19.35 | 20/240 | | R. Peking, China | |
| 15505 | 19.35 | 50 | | Sverdlovsk, USSR | |
| 15520 | 19.33 | 20/240 | | R. Peking, China | |
| | 19.33 | 120/240 | | Pyongyang, Korea (Dem. R.) | |
| 15550 | 19.33 | 20/240 | | R. Peking, China | |
| 15590 | 19.24 | 20/240 | | R. Peking, China | |
| 15610 | 19.22 | 120/240 | | R. Peking, China | |
| 15710 | 19.10 | 20/240 | | R. Peking, China | |
| 15880 | 18.90 | 20/240 | | R. Peking, China | |
| 15960 | 18.80 | 20/240 | | R. Peking, China | |
| †16170 | 18.55 | 10 | JAS22 | Oyama, Japan | |
| 16250 | 18.46 | | | Moscow, USSR | |
| 16320 | 18.38 | 120/240 | | Pyongyang, Korea (Dem. R.) | |
| †16980 | 17.67 | 15 | DAM | Elmshorn, Germany | |
| †17050 | 17.60 | | NSS | Annapolis, USA | |
| †17055 | 17.59 | | NPG | San Francisco, USA | |
| †17122 | 17.52 | | NPM | Honolulu, Hawaii | |
| †17194 | 17.45 | | PPR | Rio de Janeiro, Brazil | |
| †17256 | 17.39 | 10 | VHP6 | Belconnen, Australia | |
| 17450 | 17.19 | 20/240 | | R. Peking, China | |
| 17490 | 17.15 | 20/240 | | R. Peking, China | |
| †17530 | 17.11 | | NPN | Guam | |
| 17533 | 17.11 | 20/240 | | R. Peking, China | |
| 17605 | 17.04 | 20/240 | | R. Peking, China | |
| 17650 | 17.00 | 20/240 | | R. Peking, China | |
| 17655 | 16.99 | 50/100 | | Cairo, Un. Arab Rep. | |
| 17680 | 16.97 | 240 | | R. Peking, China | |
| †17685 | 16.96 | 15 | GIC37 | Hailsham, Gt. Britain | |
| 17690 | 16.96 | 50/100 | | Cairo, Un. Arab Rep. | |
| 17695 | 16.95 | 15/100 | | BBC London, Gt. Britain | |
| †17697 | 16.95 | | NBA | Canal Zone, Panama | |
| | | **17700-17900kHz** | | **(16 metre band)** | |
| 17700 | 16.95 | 50 | | Tallinn, USSR | |
| 17705 | 16.94 | 100 | | Praha, Czechoslovakia | |
| | 16.94 | 75/100 | | BBC London, Gt. Britain | |
| | 16.94 | 35/100 | | Tanger (VOA), Morocco | |
| | 16.94 | 10/100 | VUD | AIR Delhi, India | |
| | 16.94 | 10 | ZYR97 | R. 9 de Julho, Brazil | |
| 17710 | 16.94 | 100 | | Moscow, USSR | |
| | 16.94 | 50/200 | | Delano, USA | |
| | 16.94 | 250 | | Greenville, USA | |
| 17715 | 16.93 | 75/100 | | BBC London, Gt. Britain | |
| | 16.93 | 10/100 | VUD | AIR Delhi, India | |
| | 16.93 | 50 | DZU8 | Dumaguete City, Philippines | |
| | 16.93 | 50 | | R. Australia, Australia | |
| | 16.93 | 120/240 | | R. Habana, Cuba | |
| 17720 | 16.93 | 20/100 | | Wavre, Belgium | |
| | 16.93 | 15 | OIX5 | Pori, Finland | |
| | 16.93 | 50 | | R. Liberty | |
| | 16.93 | 50 | | Novosibirsk, USSR | |
| | 16.93 | 50 | | R. Brazzaville, Congo | |
| | 16.93 | 20/240 | | R. Peking, China | |
| | 16.93 | 50 | BED39 | Taipei (BCC), Taiwan | |
| | 16.93 | 50 | WINB | Red Lion, USA | |
| | 16.93 | 50/100 | | R. Berlin Int, Germany | |
| 17725 | 16.93 | 10/100/250 | | R. Free Europe | |
| | 16.93 | 100 | | R. Japan, Japan | |
| | 16.93 | 35/100 | | Okinawa (VOA), Ryuku Isl. | |
| | 16.93 | 1 | ZYR232 | R. Universitaria, Brazil | |
| 17730 | 16.92 | 100 | | Vienna, Austria | |
| | 16.92 | 100 | | Allouis, France | |
| | 16.92 | 50 | | Serpukhov, USSR | |
| | 16.92 | 50/100 | WNYW | R. New York, USA | |
| 17735 | 16.92 | 10/100/250 | | R. Free Europe | |
| 17735 | 16.92 | 35/100 | | Poro (VOA), Philippines | |
| 17740 | 16.91 | 100 | | Allouis, France | |
| | 16.91 | 15/100 | | BBC London, Gt. Britain | |
| | 16.91 | 50/60/100 | | R. Roma, Italy | |
| | 16.91 | 50/100 | | R. Nacional, Portugal | |
| | 16.91 | 100 | | Moscow, USSR | |
| | 16.91 | 50/250 | | Monrovia (VOA), Liberia | |
| | 16.91 | 20/240 | | R. Peking, China | |
| | 16.91 | 10/50 | | Karachi, Pakistan | |
| 17745 | 16.91 | 15/100 | | BBC London, Gt. Britain | |
| | 16.91 | 7.5/5 | | Athens, Greece | |
| | 16.91 | 50 | | Kursk, USSR | |
| | 16.91 | 20/240 | | R. Peking, China | |
| | 16.91 | 10/50 | | Karachi, Pakistan | |
| 17750 | 16.90 | 100 | | Vienna, Austria | |
| | 16.90 | 50 | | R. Liberty | |
| | 16.90 | 1/50/100 | | R. Kuwait, Kuwait | |
| | 16.90 | 20/240 | | R. Peking, China | |
| | 16.90 | 10/50 | | Karachi, Pakistan | |
| | 16.90 | 50 | | Poro (VOA), Philippines | |
| | 16.90 | 50/500 | | Greenville, USA | |
| 17755 | 16.90 | 100 | | Vienna, Austria | |
| | 16.90 | 50/100 | | R. Berlin Int, Germany | |
| | 16.90 | 100 | | Gorki, USSR | |
| | 16.90 | 10/50 | | Karachi, Pakistan | |
| | 16.90 | 50/100 | WNYW | R. New York, USA | |
| 17760 | 16.89 | 500 | | R. Liberty | |
| | 16.89 | 1 | | R. ELWA, Liberia | |
| | 16.89 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 16.89 | 10/50 | | Karachi, Pakistan | |
| | 16.89 | 7.5/100 | APD2 | Dacca, Pakistan | |
| | 16.89 | 100 | VUB | AIR Bombay, India | |
| | 16.89 | 50/100 | WNYW | R. New York, USA | |
| 17765 | 16.89 | 100 | | Allouis, France | |
| | 16.89 | 100 | DMQ17 | Deutsche Welle, Germany | |
| | 16.89 | 50/100 | | R. Nederland, Holland | |
| | 16.89 | 100 | | Tula, USSR | |
| | 16.89 | 250 | | Kigali (DW), Rwanda | |
| | 16.89 | 20/240 | | R. Peking, China | |
| | 16.89 | 35/100 | | Poro (VOA), Philippines | |
| | 16.89 | 50 | | Delano, USA | |
| 17770 | 16.88 | 10/100/250 | | R. Free Europe | |
| | 16.88 | 50/60/100 | | R. Roma, Italy | |
| | 16.88 | 50 | | Krasnoyarsk, USSR | |
| | 16.88 | 10/50 | | Karachi, Pakistan | |
| | 16.88 | 7.5 | ZL5 | Wellington, New Zealand | |
| 17775 | 16.88 | 10 | LKW | R. Norway, Norway | |
| | 16.88 | 120 | | R. Bucharest, Rumania | |
| | 16.88 | 50 | | Khabarovsk, USSR | |
| | 16.88 | 50 | | Riazan, USSR | |
| | 16.88 | 10/50 | | Karachi, Pakistan | |
| 17780 | 16.87 | 50/100 | | R. Berlin Int, Germany | |
| | 16.87 | 50 | | R. Liberty | |
| | 16.87 | 100 | | Munich (VOA), Germany | |
| | 16.87 | 50/250 | | Monrovia (VOA), Liberia | |
| | 16.87 | 10/100 | VUD | AIR Delhi, India | |
| | 16.87 | 20/240 | | R. Peking, China | |
| | 16.87 | 50 | BED95 | Taipei (BCC), Taiwan | |
| | 16.87 | 500 | | Greenville, USA | |
| 17785 | 16.87 | 50 | | Frunze, USSR | |
| | 16.87 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 16.87 | 100 | | R. Japan, Japan | |
| 17790 | 16.86 | 100 | DMQ17 | Deutsche Welle, Germany | |
| | 16.86 | 75/100 | | BBC London, Gt. Britain | |
| | 16.86 | 250 | | R. South Africa, So. Africa | |
| 17795 | 16.86 | 5/135 | | R. Budapest, Hungary | |
| | 16.86 | 100 | | Armavir, USSR | |
| | 16.86 | 20/240 | | R. Peking, China | |
| | 16.86 | 5 | | Manaus, Brazil | |
| 17800 | 16.85 | 100 | | Allouis, France | |
| | 16.85 | 250 | | Woofferton (VOA), Gt. Bri. | |
| | 16.85 | 100 | | Hörby, Sweden | |
| | 16.85 | 10/100 | VUD | AIR Delhi, India | |
| | 16.85 | 10/50 | | Karachi, Pakistan | |
| | 16.85 | 50/200 | | Dixon, USA | |
| | 16.85 | 250 | | Greenville, USA | |
| 17805 | 16.85 | 10/100/250 | | R. Free Europe | |
| | 16.85 | 50 | | Khabarovsk, USSR | |
| | 16.85 | 250 | | R. South Africa, So. Africa | |
| | 16.85 | 50/500 | | Greenville, USA | |
| 17810 | 16.84 | 75 | | BBC London, Gt. Britain | |
| | 16.84 | 50/100 | | R. Nederland, Holland | |
| | 16.84 | 20/240 | | R. Peking, China | |
| | 16.84 | 10/2 | DZI6 | Call of the Orient, Philippines | |
| 17815 | 16.84 | 50/100 | | R. Nederland, Holland | |
| | 16.84 | 50/60/100 | | R. Roma, Italy | |
| | 16.84 | 100 | | Simferopol, USSR | |
| | 16.84 | 100 | | Tanger (VOA), Morocco | |
| | 16.84 | 35 | | Colombo, Ceylon | |
| | 16.84 | 10 | ZYR58 | R. Dif. de São Paulo, Brazil | |
| 17820 | 16.84 | 15/100 | | BBC London, Gt. Britain | |
| | 16.84 | 25/100 | | Vatican Radio | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 17820 | 16.84 | 100 | TAV | R. Ankara, Turkey | |
| | 16.84 | 100 | | R. Australia, Australia | |
| | 16.84 | 50 | | R. Canada, Canada | |
| | 16.84 | 50/200 | | Delano, USA | |
| 17825 | 16.83 | 100/120 | LLN | R. Norway, Norway | |
| | 16.83 | 50 | | R. Afghanistan, Afghanistan | |
| | 16.83 | 10/100 | VUD | AIR Delhi, India | |
| | 16.83 | 100 | | R. Japan, Japan | |
| | 16.83 | 35/100 | | Poro (VOA), Philippines | |
| 17830 | 16.83 | 100 | DMQ17 | Deutsche Welle, Germany | |
| | 16.83 | 50/100 | | R. Nederland, Holland | |
| | 16.83 | 100 | | R. Schwarzenburg, Switz. | |
| | 16.83 | 50/250 | | Monrovia (VOA), Liberia | |
| | 16.83 | 35 | | Colombo, Ceylon | |
| | 16.83 | 10/100 | VUD | AIR Delhi, India | |
| | 16.83 | 50/100 | | Poro (VOA), Philippines | |
| | 16.83 | 250 | | Greenville, USA | |
| 17835 | 16.82 | 10/100/250 | | R. Free Europe | |
| | 16.82 | 20/240 | | R. Peking, China | |
| | 16.82 | 10/50 | | Karachi, Pakistan | |
| | 16.82 | 50/100 | WNYW | R. New York, USA | |
| 17840 | 16.82 | 100 | | Praha, Czechoslovakia | |
| | 16.82 | 50/100 | | R. Nederland, Holland | |
| | 16.82 | 50 | | Moscow, USSR | |
| | 16.82 | 25/100 | | Vatican Radio | |
| | 16.82 | 100 | | R. Australia, Australia | |
| 17845 | 16.81 | 100 | DMQ17 | Deutsche Welle, Germany | |
| | 16.81 | 100 | | Schwarzenburg, Switzerland | |
| | 16.81 | 50/100 | WNYW | R. New York, USA | |
| 17850 | 16.81 | 100 | | Allouis, France | |
| | 16.81 | 120 | | R. Bucharest, Rumania | |
| | 16.81 | 50 | | Moscow, USSR | |
| | 16.81 | 50 | | Malolos (VOA), Philippines | |
| | 16.81 | 50/200 | | Delano, USA | |
| | 16.81 | 50/200 | | Dixon, USA | |
| | 16.81 | 10 | | R. Nacional, Brazil | |
| 17855 | 16.80 | 100 | | Vienna, Austria | |
| | 16.80 | 20/100 | | R. Liberty | |
| | 16.80 | 35 | | Tanger (VOA), Morocco | |
| | 16.80 | 10/50 | | Karachi, Pakistan | |
| 17860 | 16.80 | 20/100 | ORU3/5 | Wavre, Belgium | |
| | 16.80 | 15/100 | | BBC London, Gt. Britain | |
| | 16.80 | 120 | | Tashkent, USSR | |
| | 16.80 | 20/240 | | R. Peking, China | |
| 17865 | 16.80 | 10/100/250 | | R. Free Europe | |
| | 16.80 | 100 | | R. Liberty | |
| 17870 | 16.79 | 15/100 | | BBC London, Gt. Britain | |
| | 16.79 | 50 | | Riazan, USSR | |
| | 16.79 | 100 | | R. Australia, Australia | |
| 17875 | 16.79 | 100 | DMQ17 | Deutsche Welle, Germany | |
| | 16.79 | 100 | | R. Liberty | |
| | 16.79 | 20/240 | | R. Peking, China | |
| | 16.79 | 50/250 | | Greenville, USA | |
| | 16.79 | 250 | | Monrovia (VOA), Liberia | |
| | 16.79 | 7.5 | PRL2 | R. Min. Educação, Brazil | |
| 17880 | 16.78 | 50/100 | | R. Berlin Int, Germany | |
| | 16.78 | 15/100 | | BBC London, Gt. Britain | |
| | 16.78 | 50/100 | | R. Nederland, Holland | |
| | 16.78 | 50/100 | CSA45 | R. Nacional, Portugal | |
| | 16.78 | 50 | | Petropavlovsk, USSR | |
| | 16.78 | 50 | | Tula, USSR | |
| | 16.78 | 7.5/100 | | BBC, Malaysia | |
| | 16.78 | 10/50 | | Karachi, Pakistan | |
| | 16.78 | 30/50 | HCJB | La Voz de los Andes, Ecuad. | |
| 17885 | 16.78 | 15/100 | | BBC London, Gt. Britain | |
| | 16.78 | 25/100 | | Vatican Radio | |
| | 16.78 | 7.5/100 | | BBC, Cyprus | |
| | 16.78 | 50/200 | | Delano, USA | |
| 17890 | 16.77 | 5/135 | | R. Budapest, Hungary | |
| | 16.77 | 50/60/100 | | R. Roma, Italy | |
| | 16.77 | 50/100 | | R. Nacional, Portugal | |
| | 16.77 | 10/100 | VUD | AIR Delhi, India | |
| | 16.77 | 50 | BED40 | Taipei (BCC), Taiwan | |
| | 16.77 | 50 | | Greenville, USA | |
| | 16.77 | 30 | HCJB | La Voz de los Andes, Ecuad. | |
| 17895 | 16.76 | 500 | | R. Liberty | |
| | 16.76 | 50/100 | CSA66 | R. Nacional, Portugal | |
| | 16.76 | 50 | | Kaunas, USSR | |
| 17897 | 16.76 | 20/240 | | R. Peking, China | |
| 17900 | 16.76 | 50/100 | | R. Berlin Int, Germany | |
| 17905 | 16.76 | 50/100 | | Cairo, Un. Arab Rep. | |
| | | | | **17910-21450kHz** | |
| 17910 | 16.76 | 100/250 | | Accra, Ghana | |
| 17920 | 16.74 | 50/100 | | Cairo, Un. Arab Rep. | |
| 17945 | 16.72 | 10/50 | | Karachi, Pakistan | |
| 18080 | 16.59 | 15/100 | | BBC London, Gt. Britain | |
| 18150 | 16.53 | 15/100 | | BBC London, Gt. Britain | |
| *18985 | 15.80 | 30 | OLD2 | Praha, Czechoslovakia | |
| †19640 | 15.20 | | GIA39 | Hailsham, Gt. Britain | |
| *20000 | 15.00 | 20 | RWM | Moscow, USSR | |
| * | 15.00 | 2.5 | WWV | Lanham, USA | |

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| | | | | **21450-21750kHz (13 metre band)** | |
| 21450 | 13.99 | 100 | | Praha, Czechoslovakia | |
| 21455 | 13.98 | 35 | | Tanger (VOA), Morocco | |
| 21460 | 13.98 | 50/200 | | Dixon, USA | |
| 21465 | 13.98 | 50/100 | WNYW | R. New York, USA | |
| 21470 | 13.97 | 75/100 | | BBC London, Gt. Britain | |
| | 13.97 | 50 | DZU9 | Dumaguete City, Philippines | |
| 21480 | 13.97 | 50/100 | | Novosibirsk, USSR | |
| 21485 | 13.96 | 25/100 | | R. Nederland, Holland | |
| | 13.96 | 110 | | Vatican Radio | |
| 21495 | 13.96 | 50/100 | CSA67 | Bethany, USA | |
| 21500 | 13.95 | 2/50 | | R. Nacional, Portugal | |
| | 13.95 | 250 | | R. Brazzaville, Congo | |
| | 13.95 | 50/200 | | R. South Africa, So. Africa | |
| 21505 | 13.94 | 50/100 | | Delano, USA | |
| | 13.94 | 50 | | R. Nederland, Holland | |
| | 13.94 | 50/250 | | Erevan, USSR | |
| 21510 | 13.94 | 100 | ORU4 | Monrovia (VOA), Liberia | |
| | 13.94 | 50/500 | | Wavre, Belgium | |
| 21515 | 13.94 | 25/100 | | Greenville, USA | |
| | 13.94 | 110 | | Vatican Radio | |
| 21520 | 13.94 | 100 | | Bethany, USA | |
| | 13.94 | 100 | | Allouis, France | |
| | 13.94 | 50/250 | | Schwarzenburg, Switzerland | |
| 21525 | 13.94 | 1/10/50 | | Monrovia (VOA), Liberia | |
| 21530 | 13.93 | 75 | | R. Kuwait, Kuwait | |
| | 13.93 | 25/100 | | BBC London, Gt. Britain | |
| | 13.93 | 25/100 | | Vatican Radio | |
| | 13.93 | 50/100 | WNYW | R. New York, USA | |
| 21535 | 13.93 | 0.5 | | R. ELWA, Liberia | |
| | 13.93 | 250 | | R. South Africa, So. Africa | |
| 21540 | 13.93 | 100 | | Schwarzenburg, Switzerland | |
| | 13.93 | 100 | | Kursk, USSR | |
| | 13.93 | 50 | | R. Australia, Australia | |
| | 13.93 | 50/500 | | Greenville, USA | |
| 21545 | 13.92 | 100/250 | | Accra, Ghana | |
| 21550 | 13.92 | 75/100 | | BBC London, Gt. Britain | |
| | 13.91 | 100 | DMQ21 | Deutsche Welle, Germany | |
| 21560 | 13.91 | 50/60/100 | | R. Roma, Italy | |
| 21565 | 13.91 | 50/100 | | R. Nederland, Holland | |
| | 13.91 | 100 | | Lvov, USSR | |
| 21570 | 13.91 | 50/100 | | R. Nederland, Holland | |
| | 13.91 | 50 | | Poro (VOA), Philippines | |
| 21580 | 13.90 | 100 | | Allouis, France | |
| | 13.90 | 250 | | Kigali (DW), Rwanda | |
| | 13.90 | 10/100 | VUD | AIR Delhi, India | |
| 21580 | 13.90 | 100 | | Hörby, Sweden | |
| | 13.90 | 120 | | Minsk, USSR | |
| | 13.90 | 50/100 | | Cairo, Un. Arab Rep. | |
| | 13.90 | 100 | | R. Afghanistan | |
| 21590 | 13.90 | 15/100 | | BBC London, Gt. Britain | |
| | 13.90 | 10/50 | | Karachi, Pakistan | |
| | 13.90 | 110 | | Bethany, USA | |
| 21595 | 13.89 | 50 | | R. Canada, Canada | |



Peter Pompe, Bruxelles 15, Belgium.

| kHz | m | kW | Call | Stations & Countries | Rem. |
|---|---|---|---|---|---|
| 21600 | 13.89 | 10/100/250 | | R. Free Europe | |
| | 13.89 | 100 | | Leningrad, USSR | |
| | 13.89 | 50/500 | | Greenville, USA | |
| 21605 | 13.88 | 10/100/250 | | R. Free Europe | |
| 21610 | 13.88 | 10/100 | | BBC London, Gt. Britain | |
| | 13.88 | 50/200 | | Dixon, USA | |
| | 13.88 | 50/100 | | Cairo, Un. Arab Rep. | |
| 21615 | 13.88 | 10/100 | VUD | AIR Delhi, India | |
| 21620 | 13.87 | 100 | | Allouis, France | |
| | 13.87 | 10/100/250 | | F. Free Europe | |
| 21625 | 13.87 | 50/100 | | R. Nederland, Holland | |
| | 13.87 | 100 | | Kursk, USSR | |
| 21630 | 13.87 | 75/100 | | BBC London, Gt. Britain | |
| | 13.87 | 50 | | Malolos (VOA), Philippines | |
| | 13.87 | 50/200 | | Delano, USA | |
| 21640 | 13.86 | 50 | | Baku, USA | |
| | 13.86 | 50/500 | | Greenville, USA | |
| 21645 | 13.86 | 100 | DMQ21 | Deutsche Welle, Germany | |
| 21650 | 13.86 | 100 | DMQ21 | Deutsche Welle, Germany | |
| | **13.86** | **15/100** | | BBC London, Gt. Britain | |
| | 13.86 | 110 | | Bethany, USA | |
| 21655 | 13.86 | 50 | | Kalatch, USSR | |
| | 13.86 | 10 | LKC | R. Norway, Norway | |
| 21660 | 13.85 | 50/100 | | R. Nacional, Portugal | |
| | 13.85 | 7.5/100 | | BBC, Cyprus | |
| 21665 | 13.85 | 10/100/250 | | R. Free Europe | |
| | 13.85 | 50/100 | | R. Nederland, Holland | |
| | 13.85 | 5/135 | | R. Budapest, Hungary | |
| 21670 | 13.84 | 10 | LLP | R. Norway, Norway | |
| | 13.84 | 50/250 | | Monrovia (VOA), Liberia | |
| 21680 | 13.84 | 10/100/250 | | R. Free Europe | |
| | 13.84 | 75/100 | | BBC London, Gt. Britain | |
| | 13.84 | 100 | | R. Australia, Australia | |
| 21685 | 13.83 | 5/135 | | R. Budapest, Hungary | |
| | 13.83 | 7.5/10 | APD2 | Dacca, Pakistan | |
| 21690 | 13.83 | 100 | | Wavre, Belgium | |
| | 13.83 | 100 | | Hörby, Sweden | |
| 21690 | 13.83 | 50 | | Tanger (VOA), Morocco | |
| | 13.83 | 5 | | Grenada, Windward Isl. | |
| 21695 | 13.83 | 50 | | Tashkent, USSR | |
| 21700 | 13.83 | 100 | | Praha, Czechoslovakia | |
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## INTERNATIONAL WATERS

**RADIO VERONICA (Comm.)**
**ADDR:** P.O. Box 218, Hilversum, Holland. Studio: Zeedijk 27A, Hilversum. Te: 02950.
**STATION:** M/V "Veronica" anchored 6 miles west off "S. Gravenhage" (The Hague): 1562kHz 8kW — **D.PRGR:** 05.00 (Sat/Sun 06.00)-24.00 (Fri/Sat 01.00).
**Spanish** 20.00-20.30, **Italian** Sat 21.00-21.30, **Greek** Sun 20.30-21.00, **Indonesian** Thurs 19.00-20.00, ***Pupiamento*** Thurs 20.00-21.00. Other times in Dutch — **N.Wrp:** 07.00-17.00 one min. before every h — **ANN:** "Dit is R. Veronica op 192 meter" or "R. Veronica, Het station waar muziek in zit" — **V.** by QSL-card.

**RADIO HAURAKI (Comm.)**
**ADDR:** P.O. Box 1480, Auckland, New Zealand — **Station:** M/V "Tiri" anchored in the Hauraki Gulf: 1480kHz 2kW — **D.Prgr:** 17.00-13.00. **N:** on the h — **V.** by QSL-card.

**RADIO PEGUS** to operate off Christchurch, So. Island, New Zealand, on 1235kHz at 06.00-24.00 from December 24th, 1967.

## LAST MINUTE DETAILS

**ALGERIA: R.T.A. Shortwave Schedule:** Arabic 06.00-24.00 on 11810kHz; Kabyle 06.00-08.00, 12.00-23.00 **(Sun 06.00-23.00) on** 9685kHz; French W 06.00-08.00, 17.00-24.00 on 6080/11835kHz, 12.00-14.30 on 11715/11835kHz; 06.00-24.00 on 9510kHz; Sun 12.00-24.00 on 11835kHz, 09.00-17.00 on 11715kHz, 06.00-24.00 on 9510kHz.

**CYPRUS: Turkish-Cypriot Station:** On 629/1073kHz with two separate prgr's 04.00-06.00, 10.00-12.00, 15.00-19.00. **ANN:** "Burasi Kibris Bayrak Radiosu".

**DENMARK: "The Voice of Denmark":** To Far East 07.30-08.15 Danish, 08.15-08.45 English on 15165kHz. **DX Prgr:** Mon 08.15.

**GAN ISLAND: Radio Gan** (operated by R.A.F.) **Station:** 1400 kHz 0.05kW. **D.Prgr:** in English 13.30-18.30.

**NEW ZEALAND:** Callsigns to take effect from April 1st, 1968: 640 4YW; 840 2ZD; 970 1ZN; 1130 2ZM; 1160 3ZC; 1200 2ZW; 1220 1ZE; 1250 1ZM; 1310 1ZH; 1340 2ZN; 1370 2ZP; 1400 3ZM; 1440kHz 1ZK.

**NIGERIA: "Voice of Nigeria":** To Europe 05.45-06.15, 06.45-07.15, 14.45-16.00, 17.00-22.00 on 11715, 11990, 15120, 15155, 15255 or 15330kHz; To Asia 16.00-17.00 on 15255, 17710, 17715kHz; To West Africa 13.00-16.00, 17.00-22.00 on 7275, 11715kHz; To No. America 19.00-22.00 on 15120kHz.

**NUIE ISLAND: R. Station 2ZN: 550kHz 0.2kW: Tues, Thurs,** Sat 05.30-07.30 in English and Nuiean.

**PORTUGAL: Radio Portugal:**
**English** 07.30-08.15 to Australia/New Zealand and 08.15-09.00 to Far East on 11840, 17740, 17890, 21495kHz; 13.45-14.30 to So. East Asia on 17895, 21495kHz; 18.15-19.15 to Africa on 17880, 21495kHz; 20.45-21.30 to Europe on 6025, 7130, 9740kHz; 02.00-02.45 to U.S.A. (East Coast) on 6025, 9635, 9680, 11935 kHz; 03.00-03.45 to Canada on 5985kHz; 03.45-04.30 to U.S.A. (West Coast) on 6025, 9635, 9680, 11935kHz — **French:** 07.00-07.45 (Europe) on 6025, 7130, 9740kHz; 17.30-18.15 (Africa) on 17880, 21495kHz; 18.30-19.15 (Europe) on 6025, 7130, 9740kHz; 02.15-03.00 (Canada) on 5985kHz — **German:** 07.45-08.30 and 20.00-20.45 on 6025, 7130, 9740kHz — **Italian:** 19.15-20.00 on 6025, 7130, 9740kHz — **Spanish** (to Latin America): 01.00-01.45 on 9585, 11840, 15320kHz.

**VIETNAM: "Voice of Vietnam",** Hanoi: **English 23.00-23.30** on 1240, 9840, 11840kHz; 10.00-10.30 on 7210, 9760kHz; 13.00-13.30 and 15.30-16.00 on 1240, 7210, 9840, 11840kHz.

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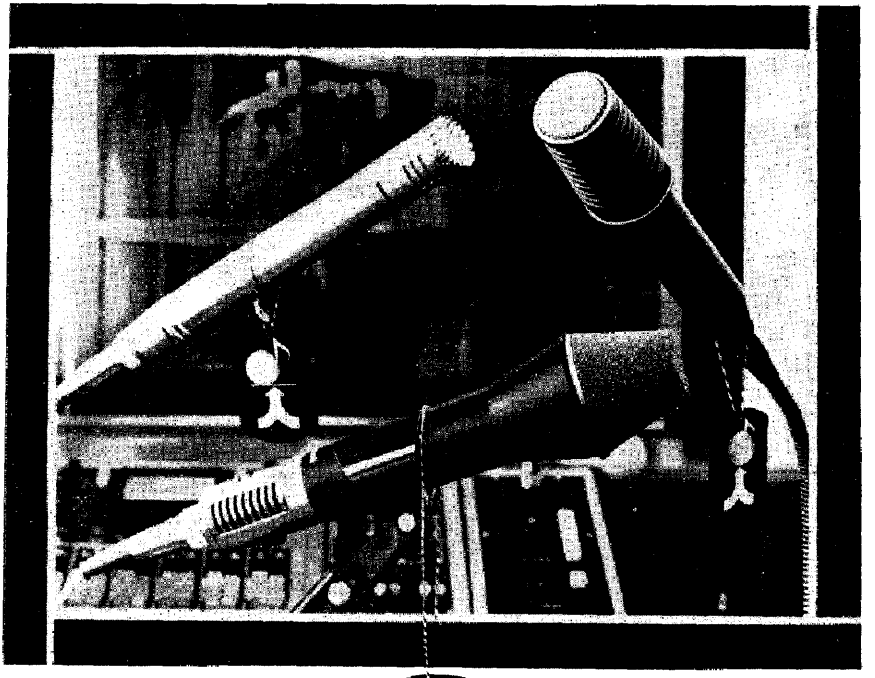

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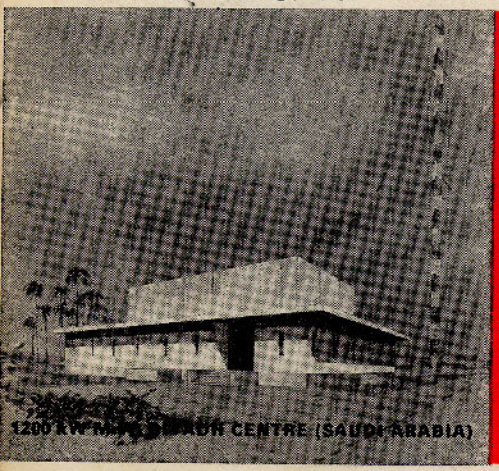

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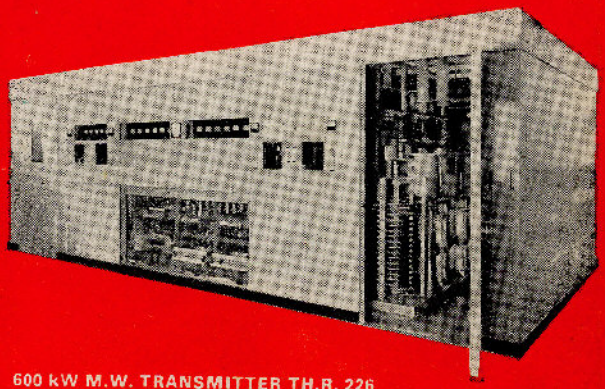

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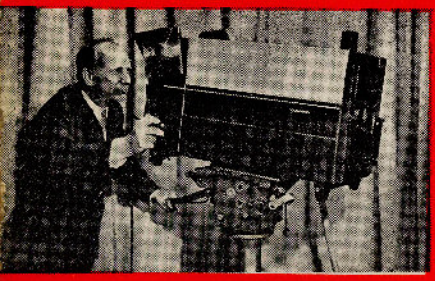

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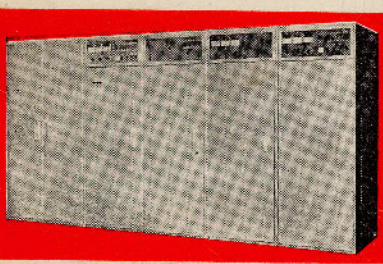

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